

Ретиноиды, рабочие стандартные материалы

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

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Ангарск (3955)60-70-56
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Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
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Омск (3812)21-46-40
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Оренбург (3532)37-68-04
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Пермь (342)205-81-47

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Саранск (8342)22-96-24
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Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
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Тверь (4822)63-31-35

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Томск (3822)98-41-53
Тула (4872)33-79-87
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Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
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Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
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Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

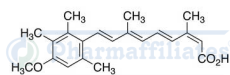
Киргизия +996(312)96-26-47

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Acitretin

A metabolite of etretinate, Acitretin is used in the treatment of psoriasis. It is sold under the trade name of Soriatane and Neotigason. Reference standards of Acitretin API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below.

Acitretin - Impurity A (Freebase)



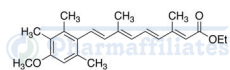
Catalogue No.: **PA 28 03010**

CAS : **69427-46-9**

Molecular Formula : **C₂₁H₂₆O₃**

Molecular Weight : **326.43**

Acitretin - Impurity B (Freebase)



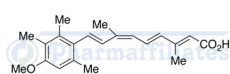
Catalogue No.: **PA 28 03020**

CAS : **54350-48-0**

Molecular Formula : **C₂₃H₃₀O₃**

Molecular Weight : **354.48**

9-cis Acitretin



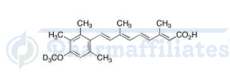
Catalogue No.: **PA 28 03510**

CAS : **419534-31-9**

Molecular Formula : **C₂₁H₂₆O₃**

Molecular Weight : **326.43**

all-trans Acitretin-d3



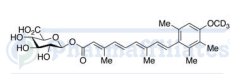
Catalogue No.: **PA STI 003770**

CAS : **1185241-03-5**

Molecular Formula : **C₂₁H₂₃D₃O₃**

Molecular Weight : **329.45**

Acitretin-d3 O-β-D-Glucuronide



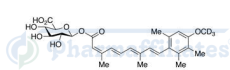
Catalogue No.: **PA STI 003780**

CAS : **NA**

Molecular Formula : **C₂₇H₃₁D₃O₉**

Molecular Weight : **505.57**

13-cis Acitretin-d3 O-β-D-Glucuronide



Catalogue No.: **PA STI 003810**

CAS : **NA**

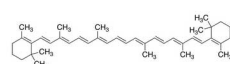
Molecular Formula : **C₂₇H₃₁D₃O₉**

Molecular Weight : **505.57**

Betacarotene

Betacarotene is the most common form of carotene in plants. It is an organic, strongly colored red-orange pigment abundant in plants and fruits. It is a member of the carotenes, which are terpenoids synthesized biochemically from eight isoprene units and thus having 40 carbons. Reference standards of Betacarotene API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below

Betacarotene - API Standards



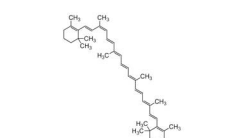
Catalogue No.: **PA 29 09000**

CAS : **7235-40-7**

Molecular Formula : **C₄₀H₅₆**

Molecular Weight : **536.87**

Betacarotene - Impurity D



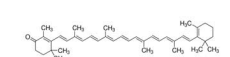
Catalogue No.: **PA 29 09040**

CAS : **13312-52-2**

Molecular Formula : **C₄₀H₅₆**

Molecular Weight : **536.87**

Echinenone



Catalogue No.: **PA 29 09510**

CAS : **432-68-8**

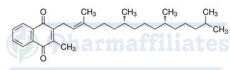
Molecular Formula : **C₄₀H₅₄O**

Molecular Weight : **550.87**

Phytonadione

A polycyclic aromatic ketone which is found naturally in the leaves of green plants. Phytonadione is a type of vitamin often known as Vitamin K. It plays an important role in photosynthesis. Used as a dietary supplement in humans. Reference standards of Phytonadione API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below.

Phytonadione - API Standards



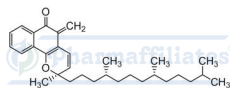
Catalogue No.: **PA 16 67000**

CAS : **84-80-0**

Molecular Formula : **C₃₁H₄₆O₂**

Molecular Weight : **450.70**

(R)-2-Methyl-5-methylene-2-((4R,8R)-4,8,12-trimethyltridecyl)-2H-benzo[h]chromen-6(5H)-one



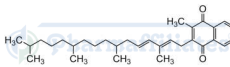
Catalogue No.: **PA 16 67540**

CAS : **NA**

Molecular Formula : **C₃₁H₄₄O₂**

Molecular Weight : **448.7**

2-Methyl-3-(3,7,11,15-tetramethyl-hexadec-2,4-dienyl)-1,4-naphthalenedione



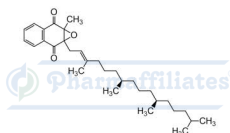
Catalogue No.: **PA 16 67550**

CAS : **NA**

Molecular Formula : **C₃₁H₄₄O₂**

Molecular Weight : **448.68**

2,3-Epoxy-2-methyl-3-[(2E,7R,11R)]-3,7,11,15-tetramethylhexadec-2-enyl]-2,3-dihydronaphthalene-1,4-dione



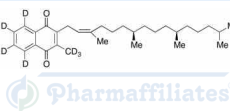
Catalogue No.: **PA 16 67560**

CAS : **1588773-08-3**

Molecular Formula : **C₃₁H₄₆O₃**

Molecular Weight : **466.7**

cis-Vitamin K1-d7



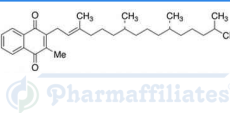
Catalogue No.: **PA STI 087260**

CAS : **NA**

Molecular Formula : **C₃₁H₃₉D₇O₂**

Molecular Weight : **457.74**

Vitamin K1-18O (Mixture of 1-18O and 4-18O)



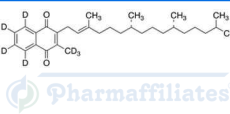
Catalogue No.: **PA STI 087270**

CAS : **79083-00-4**

Molecular Formula : **C₃₁H₄₆O₁₈O**

Molecular Weight : **452.70**

Vitamin K1-d7



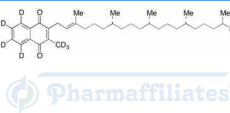
Catalogue No.: **PA STI 087280**

CAS : **1233937-39-7**

Molecular Formula : **C₃₁H₃₉D₇O₂**

Molecular Weight : **457.74**

Vitamin K1(25)-d7



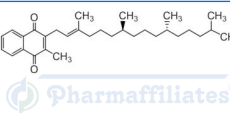
Catalogue No.: **PA STI 087290**

CAS : **NA**

Molecular Formula : **C₃₆H₄₉D₇O₂**

Molecular Weight : **527.87**

2-Methyl-3-((7S,11R,E)-3,7,11,15-tetramethylhexadec-2-en-1-yl)naphthalene-1,4-dione



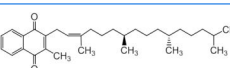
Catalogue No.: **PA 16 67700**

CAS : **NA**

Molecular Formula : **C₃₁H₄₆O₂**

Molecular Weight : **450.71**

2-Methyl-3-((7R,11S,Z)-3,7,11,15-tetramethylhexadec-2-en-1-yl)naphthalene-1,4-dione

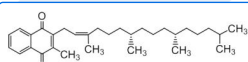
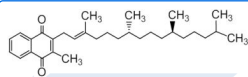
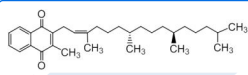
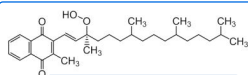
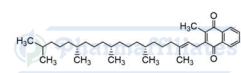
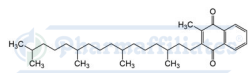
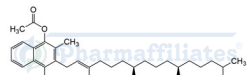
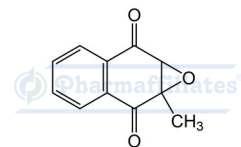
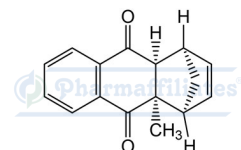
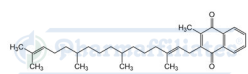


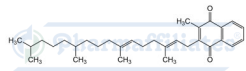
Catalogue No.: **PA 16 67710**

CAS : **NA**

Molecular Formula : **C₃₁H₄₆O₂**

Molecular Weight : **450.71**


2-Methyl-3-((7S,11S,Z)-3,7,11,15-tetramethylhexadec-2-en-1-yl)naphthalene-1,4-dione
Catalogue No.: **PA 16 67720**CAS : **NA**Molecular Formula : **C₃₁H₄₆O₂**Molecular Weight : **450.71**
2-Methyl-3-((7R,11S,E)-3,7,11,15-tetramethylhexadec-2-en-1-yl)naphthalene-1,4-dione
Catalogue No.: **PA 16 67730**CAS : **NA**Molecular Formula : **C₃₁H₄₆O₂**Molecular Weight : **450.71**
2-Methyl-3-((7S,11R,Z)-3,7,11,15-tetramethylhexadec-2-en-1-yl)naphthalene-1,4-dione
Catalogue No.: **PA 16 67740**CAS : **NA**Molecular Formula : **C₃₁H₄₆O₂**Molecular Weight : **450.71**
2-((3S,E)-3-Hydroperoxy-3,7,11,15-tetramethylhexadec-1-en-1-yl)-3-methylnaphthalene-1,4-dione
Catalogue No.: **PA 16 67750**CAS : **NA**Molecular Formula : **C₃₁H₄₆O₄**Molecular Weight : **482.71**
Vitamin K1(25)
Catalogue No.: **PA 16 67760**CAS : **121840-65-1**Molecular Formula : **C₃₆H₅₆O₂**Molecular Weight : **520.83**
rel-2-Methyl-3-((7R,11R)-3,7,11,15-tetramethylhexadecyl)naphthalene-1,4-dione
Catalogue No.: **PA 16 0671015**CAS : **1217521-73-7**Molecular Formula : **C₃₁H₄₈O₂**Molecular Weight : **452.72**
Phyllohydroquinone 1-acetate
Catalogue No.: **PA 16 0671016**CAS : **50281-47-5**Molecular Formula : **C₃₃H₅₀O₃**Molecular Weight : **494.76**
Menadione 2,3-epoxide
Catalogue No.: **PA 16 0671017**CAS : **15448-59-6**Molecular Formula : **C₁₁H₈O₃**Molecular Weight : **188.18**
(1R,4S,4aR,9aS)-4a-Methyl-1,4,4a,9a-tetrahydro-1,4-methanoanthracene-9,10-dione
Catalogue No.: **PA 16 0671018**CAS : **2457204-51-0**Molecular Formula : **C₁₆H₁₄O₂**Molecular Weight : **238.29**
(E)-2-Methyl-3-(3,7,11,15-tetramethylhexadeca-2,14-dien-1-yl)naphthalene-1,4-dione
Catalogue No.: **PA 16 0671024**CAS : **NA**Molecular Formula : **C₃₁H₄₄O₂**Molecular Weight : **448.69**

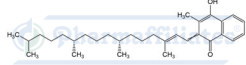


2-Methyl-3-((2E,6E)-3,7,11,15-tetramethylhexadeca-2,6-dien-1-yl)naphthalene-1,4-dione

Catalogue No.: **PA 16 0671025** CAS : **NA**

Molecular Formula : **C₃₁H₄₄O₂**

Molecular Weight : **448.69**



4-Hydroxy-3-methyl-2-((7R,11R,E)-3,7,11,15-tetramethylhexadec-2-en-1-ylidene)naphthalen-1(2H)-one

Catalogue No.: **PA 16 0671026** CAS : **693781-58-7**

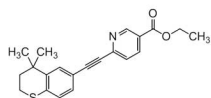
Molecular Formula : **C₃₁H₄₆O₂**

Molecular Weight : **450.71**

Tazarotene

Tazarotene is used to treat psoriasis or acne. It is a retinoid product related to Vitamin A. It is a third-generation prescription topical retinoid sold as a cream, gel, or foam. Reference standards of Tazarotene API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below.

Tazarotene - API Standards



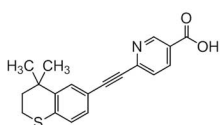
Catalogue No.: **PA 47 69000**

CAS : **118292-40-3**

Molecular Formula : **C₂₁H₂₁NO₂S**

Molecular Weight : **351.46**

Tazarotenic Acid



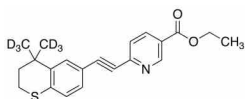
Catalogue No.: **PA 47 69520**

CAS : **118292-41-4**

Molecular Formula : **C₁₉H₁₇NO₂S**

Molecular Weight : **323.41**

Tazarotene-d8



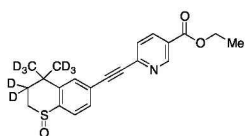
Catalogue No.: **PA STI 081110**

CAS : **1246815-76-8**

Molecular Formula : **C₂₁H₁₃D₈NO₂S**

Molecular Weight : **359.51**

Tazarotene Sulfoxide-d8



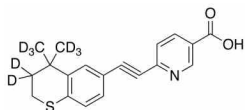
Catalogue No.: **PA STI 081160**

CAS : **NA**

Molecular Formula : **C₂₁H₁₃D₈NO₃S**

Molecular Weight : **375.51**

Tazarotenic Acid-d8



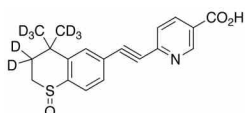
Catalogue No.: **PA STI 081120**

CAS : **NA**

Molecular Formula : **C₁₉H₉D₈NO₂S**

Molecular Weight : **331.46**

Tazarotenic Acid-d8 Sulfoxide



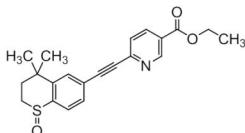
Catalogue No.: **PA STI 081130**

CAS : **NA**

Molecular Formula : **C₁₉H₉D₈NO₃S**

Molecular Weight : **347.46**

Tazarotene Sulfoxide



Catalogue No.: **PA 47 69530**

CAS : **864841-56-5**

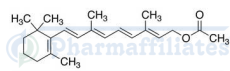
Molecular Formula : **C₂₁H₂₁NO₃S**

Molecular Weight : **367.46**

Vitamin A Acetate

Vitamin A Acetate is used to prevent or treat low levels of the vitamin in people who do not get enough of it from their diets. It has potential antineoplastic and chemopreventive activities. Reference standards of Vitamin A Acetate API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below.

Vitamin A Acetate - API Standards



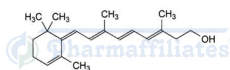
Catalogue No.: **PA 22 11000**

CAS : **127-47-9**

Molecular Formula : **C₂₂H₃₂O₂**

Molecular Weight : **328.49**

Vitamin A Acetate - Impurity C



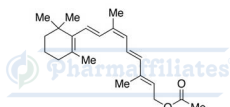
Catalogue No.: **PA 22 11030**

CAS : **NA**

Molecular Formula : **C₂₀H₃₀O**

Molecular Weight : **286.46**

9-cis-Retinol Acetate



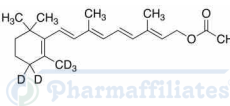
Catalogue No.: **PA 22 11510**

CAS : **29584-22-3**

Molecular Formula : **C₂₂H₃₂O₂**

Molecular Weight : **328.49**

Vitamin A-d5 Acetate



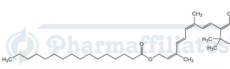
Catalogue No.: **PA STI 087190**

CAS : **NA**

Molecular Formula : **C₂₂H₂₇D₅O₂**

Molecular Weight : **333.52**

9-cis,13-cis Retinol Hexadecanoate



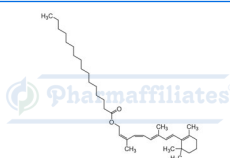
Catalogue No.: **PA 22 0111003**

CAS : **34356-30-4**

Molecular Formula : **C₃₆H₆₀O₂**

Molecular Weight : **524.87**

Retinol, hexadecanoate, (11-cis,13-cis)



Catalogue No.: **PA 22 0111004**

CAS : **77287-30-0**

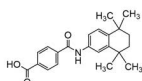
Molecular Formula : **C₃₆H₆₀O₂**

Molecular Weight : **524.87**

Tamibarotene

Tamibarotene is a new synthetic retinoid drug recently approved for relapsed or refractory acute promyelocytic leukemia in Japan. Reference standards of Tamibarotene API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below.

Tamibarotene - API Standards



Catalogue No.: **PA 73 32000**

CAS : **94497-51-5**

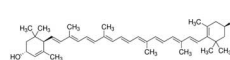
Molecular Formula : **C₂₂H₂₅NO₃**

Molecular Weight : **351.44**

Lutein

Lutein is synthesized only by plants, and like other xanthophylls is found in high quantities in green leafy vegetables such as spinach, kale and yellow carrots. It is a xanthophyll and one of 600 known naturally occurring carotenoids. Reference standards of Lutein API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below.

Lutein - API Standards



Catalogue No.: **PA 12 88000**

CAS : **127-40-2**

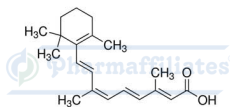
Molecular Formula : **C₄₀H₅₆O₂**

Molecular Weight : **568.87**

Tretinoin

Tretinoin used for the treatment of acne and acute promyelocytic leukemia. It is available as a generic medication. Tretinoin, also known as all-trans retinoic acid. Reference standards of Tretinoin API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below.

Tretinoin - Impurity D



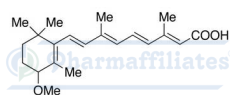
Catalogue No.: **PA 47 56040**

CAS : **5300-03-8**

Molecular Formula : **C₂₀H₂₈O₂**

Molecular Weight : **300.42**

Tretinoin - Impurity F



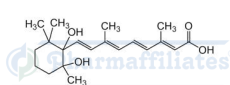
Catalogue No.: **PA 47 56060**

CAS : **81121-20-2**

Molecular Formula : **C₂₁H₃₀O₃**

Molecular Weight : **330.46**

(2E,4E,6E,8E)-9-(1,2-Dihydroxy-2,6,6-trimethylcyclohexyl)-3,7-dimethylnona-2,4,6,8-tetraenoic acid



Catalogue No.: **PA 47 56550**

CAS : **73341-58-9**

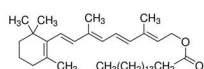
Molecular Formula : **C₂₀H₃₀O₄**

Molecular Weight : **334.45**

Retinyl Palmitate

A common vitamin supplement, which is an ester of Vitamin A and palmitic acid. Retinyl Palmitate is an antioxidant and is used as a synthetic alternate for retinyl acetate in vitamin A supplements. Reference standards of Retinyl Palmitate API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below.

Retinyl Palmitate - API Standards



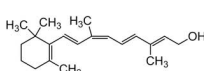
Catalogue No.: **PA 18 53000**

CAS : **79-81-2**

Molecular Formula : **C₃₆H₆₀O₂**

Molecular Weight : **524.86**

9-cis-Retinol



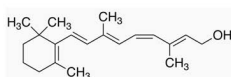
Catalogue No.: **PA 18 53510**

CAS : **22737-97-9**

Molecular Formula : **C₂₀H₃₀O**

Molecular Weight : **286.45**

11-cis-Retinol



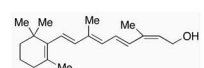
Catalogue No.: **PA 18 53520**

CAS : **22737-96-8**

Molecular Formula : **C₂₀H₃₀O**

Molecular Weight : **286.45**

13-cis-Retinol



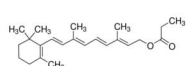
Catalogue No.: **PA 18 53530**

CAS : **2052-63-3**

Molecular Formula : **C₂₀H₃₀O**

Molecular Weight : **286.45**

Retinyl Propionate



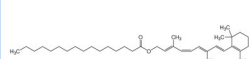
Catalogue No.: **PA 18 53540**

CAS : **7069-42-3**

Molecular Formula : **C₂₃H₃₄O₂**

Molecular Weight : **342.51**

11-cis-Vitamin A palmitate



Catalogue No.: **PA 18 0531000**

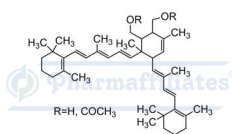
CAS : **51249-33-3**

Molecular Formula : **C₃₆H₆₀O₂**

Molecular Weight : **524.87**

Retinol

Retinol is used to treat vitamin A deficiency. It is available as a generic medication and over the counter. Reference standards of Retinol API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below.



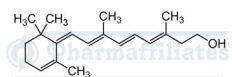
Retinol - Impurity A

Catalogue No.: **PA 18 69010**

CAS : **NA**

Molecular Formula : **C₄₀H₆₀O₂, C₄₄H₆₄O₄**

Molecular Weight : **572.90**



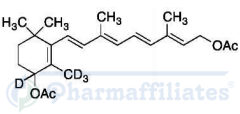
Retinol - Impurity C

Catalogue No.: **PA 18 69030**

CAS : **16729-22-9**

Molecular Formula : **C₂₀H₃₀O**

Molecular Weight : **286.45**



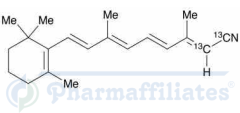
rac all-trans 4-(Acetyloxy) Retinol Acetate-d4

Catalogue No.: **PA STI 051400**

CAS : **NA**

Molecular Formula : **C₂₄H₃₀D₄O₄**

Molecular Weight : **390.55**



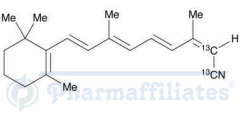
all-trans-Retinonitrile-14,15-13C2

Catalogue No.: **PA STI 077790**

CAS : **NA**

Molecular Formula : **C₁₈H₁₃C₂H₂₇N**

Molecular Weight : **283.42**



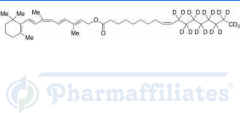
13-cis-Retinonitrile-13C2

Catalogue No.: **PA STI 077800**

CAS : **NA**

Molecular Formula : **C₁₈H₁₃C₂H₂₇N**

Molecular Weight : **283.42**



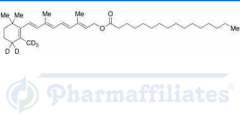
9-cis-Retinyloleate-d17

Catalogue No.: **PA STI 077810**

CAS : **1795134-64-3**

Molecular Formula : **C₃₈H₄₅D₁₇O₂**

Molecular Weight : **568.00**



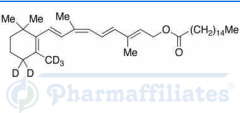
all-trans-Retinyloleate-d5

Catalogue No.: **PA STI 077820**

CAS : **NA**

Molecular Formula : **C₃₆H₅₅D₅O₂**

Molecular Weight : **529.89**



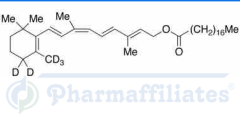
9-cis-Retinyloleate-d5

Catalogue No.: **PA STI 077830**

CAS : **NA**

Molecular Formula : **C₃₆H₅₅D₅O₂**

Molecular Weight : **529.89**



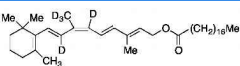
9-cis-Retinyloleate-d5

Catalogue No.: **PA STI 077850**

CAS : **1331643-11-8**

Molecular Formula : **C₃₈H₅₉D₅O₂**

Molecular Weight : **557.94**



9-cis-Retinyloleate-d5

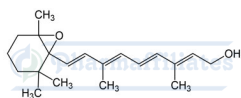
Catalogue No.: **PA STI 077860**

CAS : **NA**

Molecular Formula : **C₃₈H₅₉D₅O₂**

Molecular Weight : **557.94**

5,6-Monoepoxy Vitamin A



Catalogue No.: **PA 18 0691002**

CAS : **512-39-0**

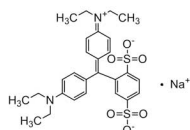
Molecular Formula : **C₂₀H₃₀O₂**

Molecular Weight : **302.46**

Isosulfan Blue

Isosulfan blue is used as an aid in a procedure called lymphography to test how well your lymphatic system is working in certain parts of your body. Reference standards of Isosulfan Blue API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below.

Isosulfan Blue - API Standards



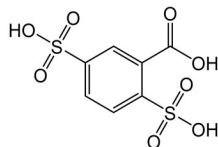
Catalogue No.: **PA 09 67000**

CAS : **68238-36-8**

Molecular Formula : **C₂₇H₃₁N₂NaO₆S₂**

Molecular Weight : **566.66**

2,5-Disulfobenzoic Acid



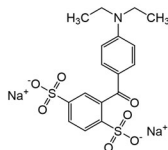
Catalogue No.: **PA 09 0671003**

CAS : **1820-45-7**

Molecular Formula : **C₇H₆O₈S₂**

Molecular Weight : **282.24**

Sodium 2-(4-(diethylamino)benzoyl)benzene-1,4-disulfonate



Catalogue No.: **PA 09 0671004**

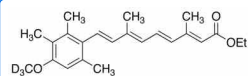
CAS : **NA**

Molecular Formula : **C₁₇H₁₇NNa₂O₇S₂**

Molecular Weight : **457.42**

Etretinate

Etretinate is a medication used to treat severe psoriasis. It is a synthetic aromatic retinoid. It is a second-generation retinoid. Reference standards of Etretinate API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below.



Etretinate-d3

Catalogue No.: **PA STI 040400**

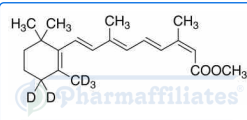
CAS : **1185237-13-1**

Molecular Formula : **C₂₃H₂₇D₃O₃**

Molecular Weight : **357.50**

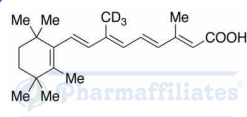
Retinoic Acid

Retinoic Acid used for the treatment of acne and acute promyelocytic leukemia. Retinoic acid is a metabolite of vitamin A1. Reference standards of Retinoic Acid API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below.



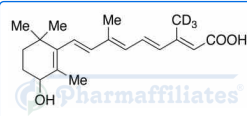
13-cis Retinoic Acid-d5 Methyl Ester

Catalogue No.: **PA STI 021670** CAS : **1331666-29-5** Molecular Formula : **C₂₁H₂₅D₅O₂** Molecular Weight : **319.49**



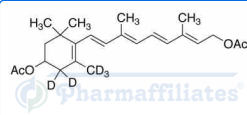
4,4-Dimethyl Retinoic Acid-d3

Catalogue No.: **PA STI 035020** CAS : **1346606-19-6** Molecular Formula : **C₂₂H₂₉D₃O₂** Molecular Weight : **331.51**



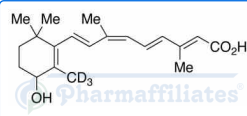
rac all-trans 4-Hydroxy Retinoic Acid-d3

Catalogue No.: **PA STI 051480** CAS : **1346606-21-0** Molecular Formula : **C₂₀H₂₅D₃O₃** Molecular Weight : **319.45**



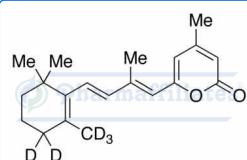
rac all-trans 3-(Acetyloxy) Retinol-d5 Acetate

Catalogue No.: **PA STI 051490** CAS : **1346606-58-3** Molecular Formula : **C₂₄H₂₉D₅O₄** Molecular Weight : **391.56**



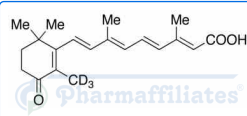
rac 4-Hydroxy-9-cis-retinoic Acid-d3

Catalogue No.: **PA STI 051500** CAS : **1346606-78-7** Molecular Formula : **C₂₀H₂₅D₃O₃** Molecular Weight : **319.45**



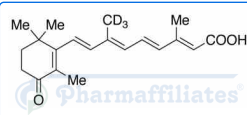
(E,E)-6-α-Ionylidene-4-methylpyran-2-one-d5

Catalogue No.: **PA STI 053450** CAS : **1331668-72-4** Molecular Formula : **C₂₀H₂₁D₅O₂** Molecular Weight : **303.45**



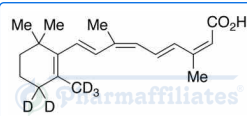
all-trans 4-Keto Retinoic Acid-d3

Catalogue No.: **PA STI 055240** CAS : **1352241-40-7** Molecular Formula : **C₂₀H₂₃D₃O₃** Molecular Weight : **317.44**



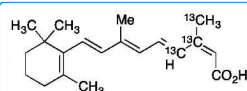
all-trans 4-Keto Retinoic Acid-(9-methyl)-d3

Catalogue No.: **PA STI 055250** CAS : **1346606-26-5** Molecular Formula : **C₂₀H₂₃D₃O₃** Molecular Weight : **317.44**



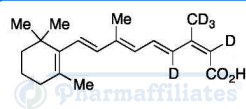
9-cis,13-cis-Retinoic Acid-d5

Catalogue No.: **PA STI 077670** CAS : **NA** Molecular Formula : **C₂₀H₂₃D₅O₂** Molecular Weight : **305.47**



13-cis-Retinoic Acid-13C3

Catalogue No.: **PA STI 077700** CAS : **NA** Molecular Formula : **C₁₇¹³C₃H₂₈O₂** Molecular Weight : **303.41**



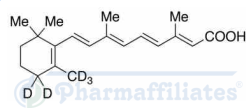
13-cis-Retinoic Acid-d5

Catalogue No.: **PA STI 077710**

CAS : **NA**

Molecular Formula : **C₂₀H₂₃D₅O₂**

Molecular Weight : **305.47**



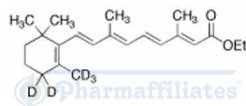
all-trans-Retinoic Acid-d5 (major)

Catalogue No.: **PA STI 077720**

CAS : **78996-15-3**

Molecular Formula : **C₂₀H₂₃D₅O₂**

Molecular Weight : **305.47**



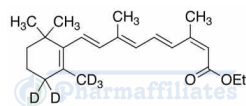
all-trans-Retinoic Acid-d5 Ethyl Ester

Catalogue No.: **PA STI 077730**

CAS : **NA**

Molecular Formula : **C₂₂H₂₇D₅O₂**

Molecular Weight : **333.52**



13-cis-Retinoic Acid-d5 Ethyl Ester

Catalogue No.: **PA STI 077740**

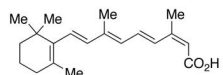
CAS : **NA**

Molecular Formula : **C₂₂H₂₇D₅O₂**

Molecular Weight : **333.52**

Isotretinoin

Isotretinoin is used primarily for severe cystic acne and acne. It is also used to prevent certain skin cancers and in the treatment of other cancers. Reference standards of Isotretinoin API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below.



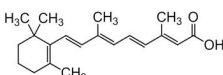
Isotretinoin - API Standards

Catalogue No.: **PA 09 22000**

CAS : **4759-48-2**

Molecular Formula : **C₂₀H₂₈O₂**

Molecular Weight : **300.44**



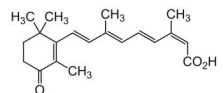
Isotretinoin - Impurity A (Freebase)

Catalogue No.: **PA 09 22010**

CAS : **302-79-4**

Molecular Formula : **C₂₀H₂₈O₂**

Molecular Weight : **300.44**



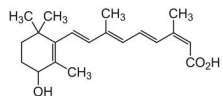
Isotretinoin - Impurity H

Catalogue No.: **PA 09 22080**

CAS : **71748-58-8**

Molecular Formula : **C₂₀H₂₆O₃**

Molecular Weight : **314.42**



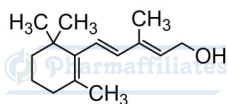
Isotretinoin - Impurity I

Catalogue No.: **PA 09 22090**

CAS : **75281-25-3**

Molecular Formula : **C₂₀H₂₈O₃**

Molecular Weight : **316.43**



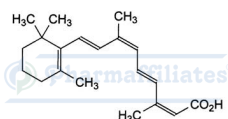
β-Ionyliden-ethanol

Catalogue No.: **PA 09 22530**

CAS : **3917-39-3**

Molecular Formula : **C₁₅H₂₄O**

Molecular Weight : **220.35**



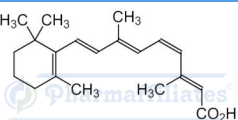
Isotretinoin - Impurity B

Catalogue No.: **PA 09 22020**

CAS : **5352-74-9**

Molecular Formula : **C₂₀H₂₈O₂**

Molecular Weight : **300.44**



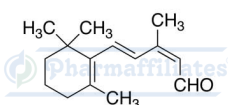
Isotretinoin - Impurity F

Catalogue No.: **PA 09 22060**

CAS : **68070-35-9**

Molecular Formula : **C₂₀H₂₈O₂**

Molecular Weight : **300.44**



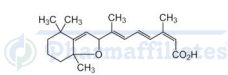
(7E,9Z)-β-Ionylidene Acetaldehyde

Catalogue No.: **PA 09 22540**

CAS : **54226-17-4**

Molecular Formula : **C₁₅H₂₂O**

Molecular Weight : **218.34**



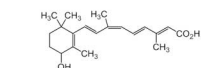
5,8-Epoxy-13-cis Retinoic Acid (Mixture of Diastereomers)

Catalogue No.: **PA 09 22570**

CAS : **112018-12-9**

Molecular Formula : **C₂₀H₂₈O₃**

Molecular Weight : **316.44**



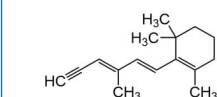
rac 4-Hydroxy-9-cis-retinoic Acid

Catalogue No.: **PA 09 22580**

CAS : **150737-17-0**

Molecular Formula : **C₂₀H₂₈O₃**

Molecular Weight : **316.44**



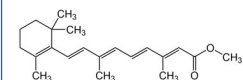
1,3,3-Trimethyl-2-[(1E,3E)-3-methyl-1,3-hexadien-5-ynyl]-cyclohexane

Catalogue No.: **PA 09 22590**

CAS : **25576-25-4**

Molecular Formula : **C₁₆H₂₂**

Molecular Weight : **214.35**



Methyl (2E,4E,6E,8E)-3,7-dimethyl-9-(2,6,6-trimethylcyclohex-1-en-1-yl)nona-2,4,6,8-tetraenoate

Catalogue No.: **PA 09 0221002**

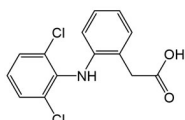
CAS : **339-16-2**

Molecular Formula : **C₂₁H₃₀O₂**

Molecular Weight : **314.47**

Diclofenac Sodium

A nonsteroidal anti-inflammatory drug, Diclofenac sodium is used to treat inflammation and as a pain killer. It inhibits prostaglandin synthesis by inhibition of cyclooxygenase (COX).. Reference standards of Diclofenac Sodium API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below



Diclofenac Sodium (WSM)

Catalogue No.: **PA WSM 02204006**

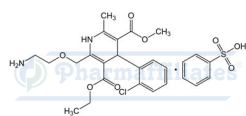
CAS : **15307-79-6**

Molecular Formula : **C₁₄H₁₁Cl₂NNaO₂**

Molecular Weight : **319.14**

Amlodipine Besilate

Amlodipine Besilate is commonly used in the treatment of high blood pressure and angina. It is initially approved by the FDA in 1987, is a popular antihypertensive drug belonging to the group of drugs called dihydropyridine calcium channel blockers. Reference standards of Amlodipine Besilate API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below.



Amlodipine Besilate (WSM)

Catalogue No.: **PA WSM 05001002**

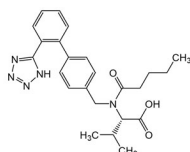
CAS : **111470-99-6**

Molecular Formula : **C₂₆H₃₁ClN₂O₈S**

Molecular Weight : **567.05**

Valsartan

Valsartan is used to treat high blood pressure, heart failure, and to reduce death for people with left ventricular dysfunction after having had a heart attack. It is available as a generic medication. It is sold under the trade name Diovan. Reference standards of Valsartan API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below.



Valsartan (WSM)

Catalogue No.: **PA WSM 00422018**

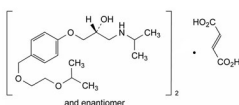
CAS : **137862-53-4**

Molecular Formula : **C₂₄H₂₉N₅O₃**

Molecular Weight : **435.53**

Bisoprolol Fumarate

Bisoprolol Fumarate is used with or without other medications to treat high blood pressure. Lowering high blood pressure helps prevent strokes, heart attacks, and kidney problems. Reference standards of Bisoprolol Fumarate API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below.



Bisoprolol Fumarate (WSM)

Catalogue No.: **PA WSM 04002022**

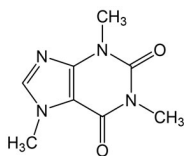
CAS : **104344-23-2**

Molecular Formula : **C₂₂H₃₅NO₈**

Molecular Weight : **441.52**

Caffeine

Caffeine is a central nervous system stimulant of the methylxanthine class. It is used to restore mental alertness or wakefulness during fatigue or drowsiness. Reference standards of Caffeine API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below.



Caffeine (WSM)

Catalogue No.: **PA WSM 00403004**

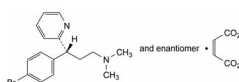
CAS : **58-08-2**

Molecular Formula : **C₈H₁₀N₄O₂**

Molecular Weight : **194.19**

Chlorpheniramine Maleate

It is S enantiomer of Chlorpheniramine maleate, an antihistamine drug. Reference standards of Chlorpheniramine Maleate API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below.



Chlorpheniramine Maleate (WSM)

Catalogue No.: **PA WSM 01504020**

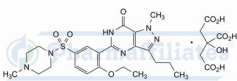
CAS : **113-92-8**

Molecular Formula : **C₂₀H₂₃ClN₂O₄**

Molecular Weight : **390.86**

Sildenafil Citrate

A citrate salt of Sildenafil sold under the brand name of Viagra. Sildenafil is used for the treatment of erectile dysfunction and pulmonary arterial hypertension. Sildenafil inhibits an enzyme cGMP-specific phosphodiesterase type 5 that promotes degradation of cGMP, which regulates blood flow in the penis. Reference standards of Sildenafil Citrate API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below.



Sildenafil Citrate (WSM)

Catalogue No.: **PA WSM 00919016**

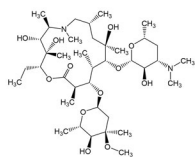
CAS : **171599-83-0**

Molecular Formula : **C₂₈H₃₈N₆O₁₁S**

Molecular Weight : **666.71**

Azithromycin

A broad spectrum antibiotic which is used to inhibit some Gram-positive bacteria, some Gram-negative bacteria, and many atypical bacteria. Azithromycin is an azalide which is a type of macrolide antibiotic. It prevents bacteria from growing by interfering in its protein synthesis. Reference standards of Azithromycin API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below.



Azithromycin (WSM)

Catalogue No.: **PA WSM 08801003**

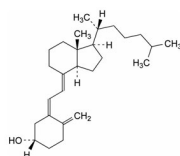
CAS : **83905-01-5**

Molecular Formula : **C₃₈H₇₂N₂O₁₂**

Molecular Weight : **749**

Cholecalciferol

Cholecalciferol is a form of vitamin D which is naturally synthesized in skin and functions as a pro-hormone, being converted to calcitriol. It is on the World Health Organization's List of Essential Medicines, the safest and most effective medicines needed in a health system.. Reference standards of Cholecalciferol API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below



Cholecalciferol (WSM)

Catalogue No.: **PA WSM 05103011**

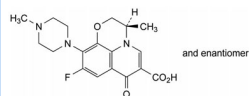
CAS : **67-97-0**

Molecular Formula : **C₂₇H₄₄O**

Molecular Weight : **384.65**

Ofloxacin

A broad spectrum antibacterial agent used for the treatment against both Gram-positive and Gram-negative bacteria. Ofloxacin exists as a racemic mixture of levofloxacin and dextroflaxacin. It works by inhibiting the cell division. Reference standards of Ofloxacin API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below.



Ofloxacin (WSM)

Catalogue No.: **PA WSM 00215013**

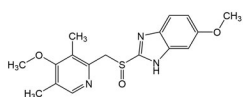
CAS : **82419-36-1**

Molecular Formula : **C₁₈H₂₀FN₃O₄**

Molecular Weight : **361.37**

Omeprazole

A selective and irreversible proton pump inhibitor, Omeprazole is used in the treatment of gastroesophageal reflux disease (GERD) and peptic ulcers. Omeprazole exists as a racemic mixture of R and S enantiomers. Reference standards of Omeprazole API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below.



Omeprazole (WSM)

Catalogue No.: **PA WSM 00515008**

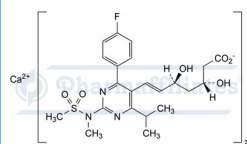
CAS : **73590-58-6**

Molecular Formula : **C₁₇H₁₉N₃O₃S**

Molecular Weight : **345.42**

Rosuvastatin Calcium

Rosuvastatin Calcium is a lipid-lowering drug that belongs to the statin class of medications, which are used to lower the risk of cardiovascular disease and manage elevated lipid levels by inhibiting the endogenous production of cholesterol in the liver. It is available as a generic medication. Reference standards of Rosuvastatin Calcium API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below.



Rosuvastatin Calcium (WSM)

Catalogue No.: **PA WSM 06618021**

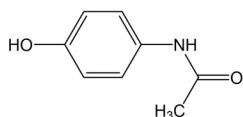
CAS : **147098-20-2**

Molecular Formula : **C₄₄H₅₄CaF₂N₆O₁₂S₂**

Molecular Weight : **1001.14**

Paracetamol

Paracetamol is used for reducing fever in people of all ages. Paracetamol is available as a generic medication with trade names including Tylenol and Panadol, among others. It is also known as acetaminophen. Reference standards of Paracetamol API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below.



Paracetamol (WSM)

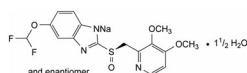
Catalogue No.: **PA WSM 00616009**

CAS : **103-90-2**

Molecular Formula : **C₈H₉NO₂**

Molecular Weight : **151.17**

Pantoprazole Sodium Sesquihydrate



Pantoprazole Sodium Sesquihydrate (WSM)

Catalogue No.: **PA WSM 00669010**

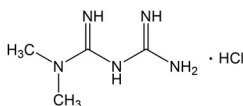
CAS : **164579-32-2**

Molecular Formula : **C₁₆H₁₅F₂N₃O₄S**

Molecular Weight : **383.37**

Metformin

A muscle relaxing agent which is used for treating relieve pain caused by strains, sprains, and other musculoskeletal conditions. It works by causing general central nervous system depression. Reference standards of Metformin API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below.



Metformin HCl (WSM)

Catalogue No.: **PA WSM 04540001**

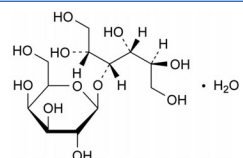
CAS : **1115-70-4**

Molecular Formula : **C₄H₁₁N₅**

Molecular Weight : **129.17**

Mannitol

A type of sugar, Mannitol is used as a sweetener in diabetic food as it is poorly absorbed from the intestines. Also used to reduce raised intracranial pressure and eye pressure. It is classified as a sugar alcohol. Reference standards of Mannitol API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below.



Mannitol (WSM)

Catalogue No.: **PA WSM 05813023**

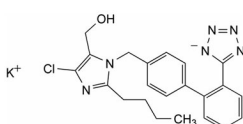
CAS : **69-65-8**

Molecular Formula : **C₆H₁₄O₆**

Molecular Weight : **182.17**

Losartan Potassium

Losartan Potassium is used for hypertension, including in people with left ventricular hypertrophy and kidney dysfunction among type II diabetics. It is available as a generic medication. It may be used alone or in addition to other blood pressure medication. Reference standards of Losartan Potassium API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below.



Losartan Potassium (WSM)

Catalogue No.: **PA WSM 02812017**

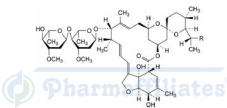
CAS : **124750-99-8**

Molecular Formula : **C₂₂H₂₂ClKN₆O**

Molecular Weight : **461**

Ivermectin

Ivermectin is a semisynthetic macrocyclic lactone. It is a broad spectrum antiparasitic agent and is derived from Avermectins. Reference standards of Ivermectin API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below.



Ivermectin (WSM)

Catalogue No.: **PA WSM 03209014**

CAS : **70288-86-7**

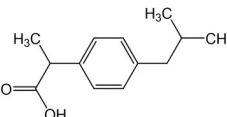
Molecular Formula : **C₄₈H₇₄O₁₄ + C₄₇H₇₂O₁₄**

Molecular Weight : **875.09 + 861.08**

Component	R	Molecular formula	M _r
H ₂ B ₁₄	CH ₂ CH ₃	C ₄₈ H ₇₄ O ₁₄	875
H ₂ B ₁₆	CH ₃	C ₄₇ H ₇₂ O ₁₄	861

Ibuprofen

Ibuprofen is available under a number of trade names, including Advil and Motrin. Ibuprofen is used primarily to treat fever mild to moderate pain, painful menstruation, osteoarthritis, dental pain, headaches, and pain from kidney stones. It is available as a generic medication. Reference standards of Ibuprofen API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below.



Ibuprofen (WSM)

Catalogue No.: **PA WSM 00209019**

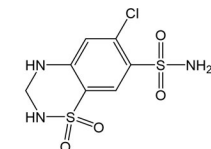
CAS : **15687-27-1**

Molecular Formula : **C₁₃H₁₈O₂**

Molecular Weight : **206.29**

Hydrochlorothiazide

Hydrochlorothiazide is a drug that belongs to thiazide class of diuretics. It is used for the treatment of hypertension, congestive heart failure, symptomatic edema, diabetes insipidus, renal tubular acidosis. It is also used for treating kidney stones. Reference standards of Hydrochlorothiazide API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below.



Hydrochlorothiazide (WSM)

Catalogue No.: **PA WSM 01108007**

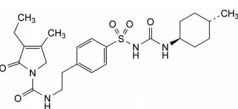
CAS : **58-93-5**

Molecular Formula : **C₇H₈ClN₃O₄S₂**

Molecular Weight : **297.73**

Glimepiride

Glimepiride is available as a generic medication. It is sold under the trade name Amaryl. It is a medication used to treat diabetes mellitus type 2. Reference standards of Glimepiride API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below.



Glimepiride (WSM)

Catalogue No.: **PA WSM 00907015**

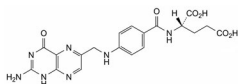
CAS : **93479-97-1**

Molecular Formula : **C₂₄H₃₄N₄O₅S**

Molecular Weight : **490.62**

Folic Acid

Folic Acid is a dietary supplement for pregnant women used to prevent neural tube defects. It is a form of folate which is a Vitamin B form. It helps in preventing heart strokes, improves fertility, and helps in production of new cells in the body. Reference standards of Folic Acid API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below.



Folic Acid (WSM)

Catalogue No.: **PA WSM 04406012**

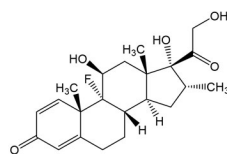
CAS : **59-30-3**

Molecular Formula : **C₁₉H₁₉N₇O₆**

Molecular Weight : **441.4**

Dexamethasone

A steroidal drug which is used to treat several diseases related to inflammation and autoimmune conditions. It can be administered orally, injected into the muscle or intravenously. Also used in dental surgery, pregnancy and veterinary use. Reference standards of Dexamethasone API, and its pharmacopeial, non pharmacopeial impurities, and stable isotopes are listed below.



Dexamethasone (WSM)

Catalogue No.: **PA WSM 05104005**

CAS : **50-02-2**

Molecular Formula : **C₂₂H₂₆FO₅**

Molecular Weight : **392.47**

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