

Certificate

ABACAVIR RELATED COMPOUNDS MIXTURE

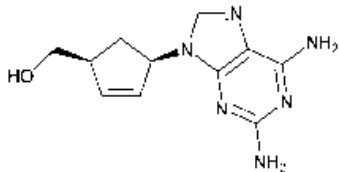
(A mixture containing descyclopropyl abacavir, abacavir glutarate, *trans*-abacavir dihydrochloride, O-pyrimidine derivative abacavir, and *t*-butyl derivative abacavir)

USP Catalog No.: 1000485

USP Lot No.: R077P0

Descyclopropyl Abacavir

((1*S*,4*R*)-4-(2,6-Diamino-9*H*-purin-9-yl)cyclopent-2-enyl)methanol)



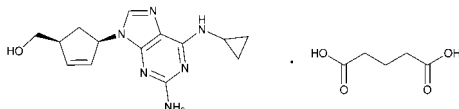
CAS No.: 124752-25-6

Molecular Formula: C₁₁H₁₄N₆O

Molecular Weight: 246.27

Abacavir Glutarate

((1*S*,4*R*)-4-[2-Amino-6-(cyclopropylamino)-9*H*-purin-9-yl]-2-cyclopentene-1-methanol glutarate)



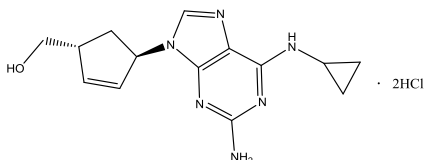
CAS No.: 84784248-2

Molecular Formula: C₁₄H₁₈N₆O · C₅H₈O₄

Molecular Weight: 418.45

trans-Abacavir Dihydrochloride

((1*R*,4*R*)-4-[2-Amino-6-(cyclopropylamino)-9*H*-purin-9-yl]cyclopent-2-enyl)methanol dihydrochloride)



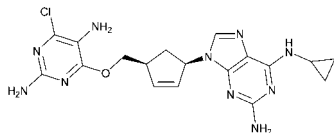
CAS No.: n/a

Molecular Formula: C₁₄H₁₈N₆O · 2HCl

Molecular Weight: 359.25

O-Pyrimidine Derivative Abacavir

(N⁶-Cyclopropyl-9-[(1R,4S)-4-[(2,5-diamino-6-chloropyrimidin-4-yloxy)methyl]cyclopent-2-enyl]-9H-purine-2,6-diamine)



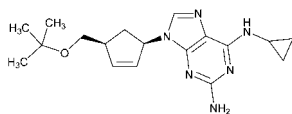
CAS No.: 1443421-69-9

Molecular Formula: C₁₈H₂₁ClN₁₀O

Molecular Weight: 428.88

t-butyl Derivative Abacavir

(9-[(1R,4S)-4-(tert-Butoxymethyl)cyclopent-2-enyl]-N6-cyclopropyl-9H-purine-2,6-diamine)



CAS No.: 1443421-68-8

Molecular Formula: C₁₈H₂₆N₆O

Molecular Weight: 342.44

LABEL TEXT

For use with specified USP compendial tests. Not for use as a drug. See SDS prior to use at www.usp.org/sds.



Lot: R077P0

USP REFERENCE STANDARD

ABACAVIR RELATED COMPOUNDS MIXTURE 15 mg

(A mixture containing desicyclopropyl abacavir, abacavir glutarate, trans-abacavir dihydrochloride, O-pyrimidine derivative abacavir, and t-butyl derivative abacavir)

!

Xn

Danger! Causes serious eye damage.
May cause an allergic skin reaction. Suspected of causing genetic defects.
May cause cancer. Suspected of damaging fertility or the unborn child.

Labeled for qualitative use. Keep container tightly closed. Protect from light. Store in a refrigerator. See accompanying USP Typical Chromatogram.

USP, 12601 Twinbrook Pkwy, Rockville, MD, +1-301-881-0666
Cat. No. 1000485 Material mfd. in India

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If exposed or concerned: Get medical advice/attention. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

Juri L. Joth

Quality Assurance

Calculation Value

If a value is not provided on the label or accompanying documentation and the Reference Standard has a quantitative USP compendial application, a value of 100.0% is used. The purity value is not applicable for qualitative uses. Please refer to the specific Reference Standard label for further information.

Expiration

Current lots are identified in the current USP Catalog. In some cases, the previous lot may still be considered valid for use. If so, it is identified in the column marked "Previous Lot/Valid Use Date."

It is the responsibility of each user to determine that this lot is current or valid when used. For the most up-to-date information, please refer to the USP Store at www.usp.org.

Instructions for Use

Follow the instructions on the label of the USP Reference Standard and in the appropriate USP documentary standard(s).

Non-Monograph Use

The suitability of this Reference Standard for use in non-compendial applications is solely the responsibility of the user.

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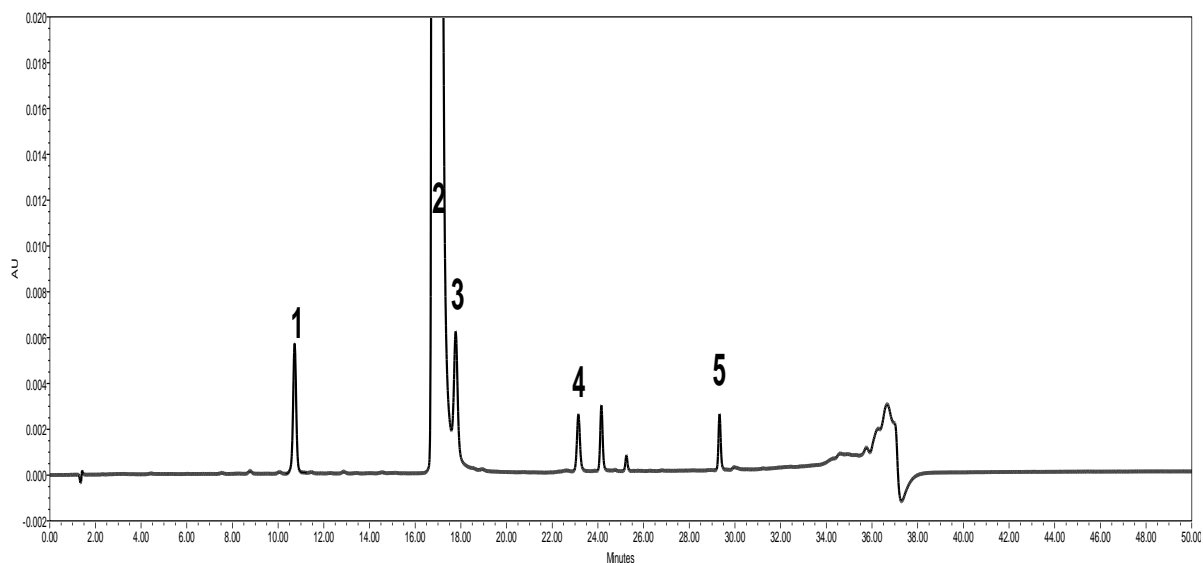
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Typical Chromatogram

USP Abacavir Related Compounds Mixture RS

Catalog Number: 1000485
Lot: R077P0
Monograph: Abacavir Sulfate
Publication: USP 40-NF35
Test: Organic Impurities, Procedure 1
Sample: System suitability solution



1. Descyclopropyl abacavir
2. Abacavir
3. trans-Abacavir
4. O-Pyrimidine derivative abacavir
5. t-Butyl derivative abacavir

This chromatogram is supplied for information only, unless otherwise specified in an applicable monograph or general chapter.