



CERTIFICATE OF ANALYSIS

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1. Identification

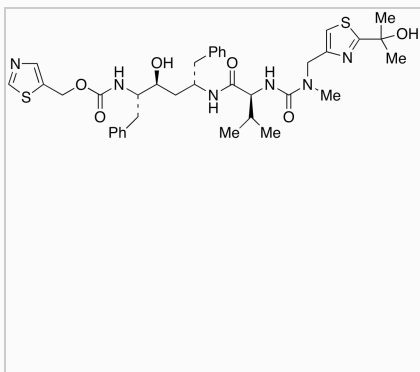
Catalogue Number: H953390

CAS Number: 176655-56-4

Product: Hydroxy Ritonavir

Synonym: [5S-(5R*,8R*,10R*,11R*)]-10-Hydroxy-1-[2-(1-hydroxy-1-methylethyl)-4-thiazolyl]-2-methyl-5-(1-methylethyl)-3,6-dioxo-8,11-bis(phenylmethyl)-2,4,7,12-tetraazatridecan-13-oic Acid 5-Thiazolylmethyl Ester; Ritonavir EP Impurity E

Structure:



Molecular Formula:

C₃₇H₄₈N₆O₆S₂

Molecular weight:

736.94

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Ethyl Acetate (Slightly)

Lot Number: 5-LIU-1-1

Purity: 95%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Pale Yellow Solid	Off-White Solid
NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	99.60% (210 nm)
MS	Conforms to Structure	Conforms

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Nicole Yip	Toni Rantanen	Chanell Chu	3/27/2023	3/25/2027