



CERTIFICATE OF ANALYSIS

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1. Identification

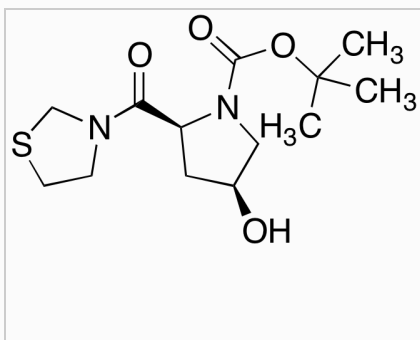
Catalogue Number: D293875

CAS Number: 401564-34-9

Product: 4-Des((3-methyl-1-phenyl-1H-pyrazol-5-yl)-1-piperazinyl)-4-hydroxy-N-(tert-butyl formate) Teneligliptin

Synonym: (2S,4S)-4-hydroxy-2-(3-thiazolidinylcarbonyl)-1,1-dimethylethyl Ester 1-Pyrrolidinecarboxylic Acid; tert-Butyl (2S,4S)-4-hydroxy-2-(thiazolidine-3-carbonyl)pyrrolidine-1-carboxylate

Structure:



Molecular Formula:

C₁₃H₂₂N₂O₄S

Molecular weight:

302.39

Source of Product:

Synthetic

Solubility:

No Data Available

Lot Number: 4-CKM-171-3

Purity: 98%

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 Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 51.84, %H: 7.44, %N: 9.12
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	99.39% (200 nm)
Specific Rotation	Report Result	+19.1° (c = 0.2, DMSO)

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 ± 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
Henry Tieu	Toni Rantanen	Chanell Chu	5/3/2023	5/1/2027