



CERTIFICATE OF ANALYSIS

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1. Identification

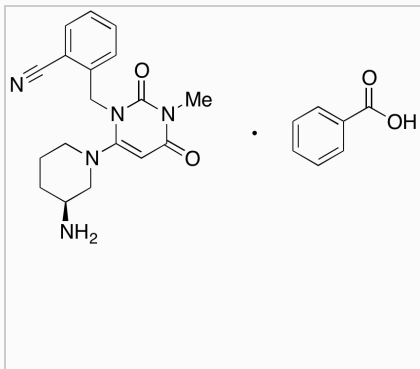
Catalogue Number: A575455

CAS Number: 1638544-64-5

Product: (S)-Alogliptin Benzoate Salt

Synonym: 2-[[6-[(3S)-3-Amino-1-piperidinyl]-3,4-dihydro-3-methyl-2,4-dioxo-1(2H)-pyrimidinyl]methyl]-benzonitrile Benzoate

Structure:



Molecular Formula:

$C_{18}H_{21}N_5O_2 \cdot C_7H_6O_2$

Molecular weight:

339.39 + (122.12)

Source of Product:

N/A

Solubility:

Chloroform (Slightly), Ethanol (Slightly), Methanol (Slightly)

Lot Number: 18-SBL-182-1

Purity: 97%

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

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Elemental Analysis	Conforms	%C: 64.85, %H: 5.99, %N: 14.99
FT-IR	Conforms to Structure	Conforms
Appearance	White to Pale Yellow Solid	Off-White to Pale Yellow Solid
NMR	Conforms to Structure	Conforms
Specific Rotation	Report Result	+2.3° (c = 0.2, Chloroform)
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	97.19% (276 nm)

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	9/28/2021	9/26/2025