



CERTIFICATE OF ANALYSIS

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1. Identification

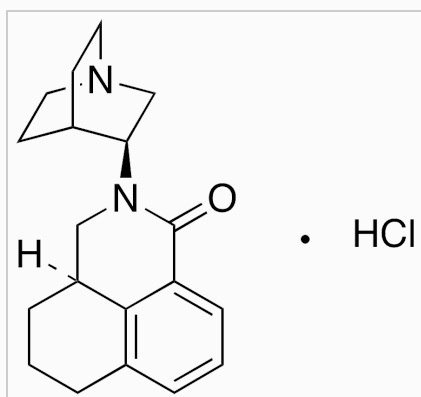
Catalogue Number: P165795

CAS Number: 135755-51-0

Product: (R,S)-Palonosetron Hydrochloride (90%)

Synonym: (3aR)-2-(3S)-1-Azabicyclo[2.2.2]oct-3-yl-2,3,3a,4,5,6-hexahydro-1H-benz[de]isoquinolin-1-one Hydrochloride; RS 25233-198;

Structure:



Molecular Formula:

$C_{19}H_{24}N_2O \cdot HCl$

Molecular weight:

296.41 + (36.46)

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 8-ACM-127-1

Purity: 90%

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

Storage Condition: -20°C, Hygroscopic

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Brown Solid	White to Pale Yellow Solid
NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	90.67% (210 nm)
Elemental Analysis	Conforms	%C: 65.05, %H: 7.67, %N: 7.88
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	+69.3° (c = 0.1, Methanol)
Chloride Content	Report Result	9.80% by Ion Chromatography
Water Content	Report Result	~3.0% based on Elemental Analysis

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
Evan Burns	Toni Rantanen	Chanell Chu	11/4/2021	11/2/2025
				