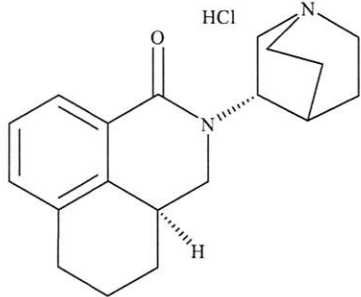


Certificate of Analysis



 Certificate No.: **20260422507**

Date: April 22, 2026

Retest date: April 20, 2029

Compound Name:	Palonosetron HCl	
Synonyms:	(S)-2-((S)-quinuclidin-3-yl)-2,3,3a,4,5,6-hexahydro-1H-benzo[de]isoquinolin-1-one, hydrochloride (1:1)	
TLC Catalogue Number:	P-531	
CAS Number:	135729-62-3	
Alternate CAS Number:	135729-61-2 (free base)	
Molecular Weight:	296.41 36.46	
Molecular Formula:	C ₁₉ H ₂₄ N ₂ O · HCl	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	1827-028A1	
Storage Conditions:	Store at 2-8 °C	
Solubility:	Methanol, DMSO, Water	

Test Description	Specifications	Results
Visual Description	White to off-white solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	100.0%
Impurity (HPLC)	N/A	
Purity (Chiral HPLC, free base)	Not less than 98.0%	100.0%
Water Content (KF)	N/A	0.0%
Residue (TGA at 800 °C)	N/A	0.0%
Optical Rotation	N/A	[α] _D ^{25.0} (c=0.42, H ₂ O): -103.0°
Residual Solvents (NMR)	No residual solvent	
Assay (%)	Not less than 90.0%	100.0%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		04/22/2026
Approved by:	Quality Assurance		04/22/2026

Attachments: Peak Attribution Table, Assay Calculation, HPLC, IR, MS, NMR and TGA spectra.