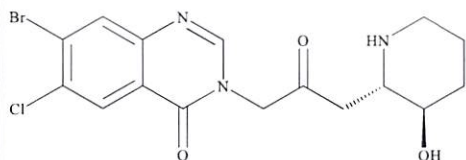


Certificate of Analysis



Certificate No.: **20250929001**

Date: September 29, 2025

Retest date: September 25, 2028

Compound Name:	(-)-Halofuginone	
Synonyms:	7-bromo-6-chloro-3-(3-((2S,3R)-3-hydroxypiperidin-2-yl)-2-oxopropyl)quinazolin-4(3H)-one	
TLC Catalogue Number:	H-035003	
CAS Number:	7695-84-3	
Alternate CAS Number:	57426-42-3 (HBr salt)	
Molecular Weight:	414.68	
Molecular Formula:	C ₁₆ H ₁₇ BrClN ₃ O ₃	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	7086-036A3	
Storage Conditions:	Store at 2-8 °C	
Solubility:	Methanol, DMSO, DMF, solution of Water and Acetonitrile	

Test Description	Specifications	Results
Visual Description	Off-white solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	99.7%
Impurity (HPLC)	RT 9.87, 0.19%	
Purity (Chiral HPLC)	Not less than 98.0%	98.7%
Water Content (KF)	N/A	0.4%
Optical Rotation	N/A	[α] _D ^{25.0} (c=0.84, DMF): -5.1°
Residual Solvents (NMR)	0.4% acetonitrile	
Assay (%)	Not less than 90.0%	97.6%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		09/29/2025
Approved by:	Quality Assurance		09/29/2025

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