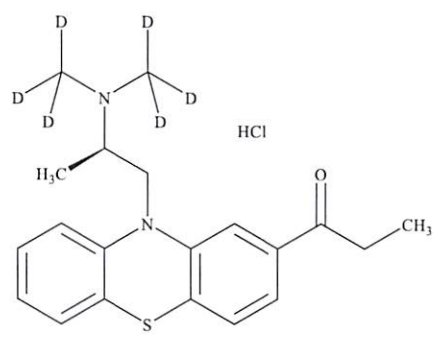


Certificate of Analysis

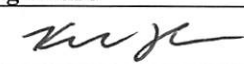
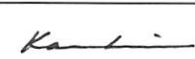
 Certificate No.: **20260326005**

Date: March 26, 2026

Retest date: March 17, 2029

Compound Name:	(R)-Propiomazine-d₆ HCl	
Synonyms:	(R)-1-(10-(2-(bis(methyl-d ₃)amino)propyl)-10H-phenothiazin-2-yl)propan-1-one, hydrochloride (1:1)	
TLC Catalogue Number:	P-159005	
CAS Number:	N/A	
Alternate CAS Number:	960246-24-6 (non-labelled, free base)	
Molecular Weight:	346.52 36.46	
Molecular Formula:	C ₂₀ H ₁₈ D ₆ N ₂ OS. HCl	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	7317-037A3	
Storage Conditions:	Store at 2-8 °C	
Solubility:	Methanol, DMSO, Water, DMF, Ethanol	

Test Description	Specifications	Results
Visual Description	Yellow 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%	98.9%
Impurity (HPLC)	RT 12.91, 0.13%; RT 14.90, 0.14%; RT 20.43, 0.42%	
Purity (Chiral HPLC)	Not less than 98.0%	99.8%
Isotopic Enrichment	Not less than 98.0%	99.5%
Water Content (KF)	N/A	1.5%
Optical Rotation	N/A	$[\alpha]_D^{25.0}(c=0.54, H_2O): +24.6^\circ$
Residual Solvents (NMR)	0.7% ethyl acetate	
Assay (%)	Not less than 90.0%	96.5%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		03/26/2026
Approved by:	Quality Assurance		03/26/2026

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