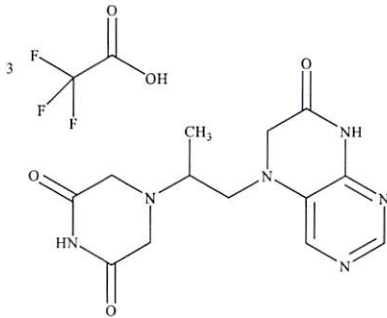


Certificate of Analysis



 Certificate No.: **20260529008**

Date: May 29, 2026

Retest date: May 26, 2029

Compound Name: <i>rac</i> -Dexrazoxane Impurity 6 Trifluoroacetate		
Synonyms:	4-(1-(7-oxo-7,8-dihydropteridin-5(6H)-yl)propan-2-yl)piperazine-2,6-dione, 2,2,2-trifluoroacetic acid (1:3)	
TLC Catalogue Number:	R-088045	
CAS Number:	N/A	
Alternate CAS Number:	2084092-84-0 (free base)	
Molecular Weight:	304.31 3*114.02	
Molecular Formula:	C ₁₃ H ₁₆ N ₆ O ₃ · 3 C ₂ HF ₃ O ₂	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	7313-076A4	
Storage Conditions:	Store at 2-8 °C	
Solubility:	DMSO, Acetonitrile	

Test Description	Specifications	Results
Visual Description	Pale brown solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
¹⁹ F NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	98.4%
Impurity (HPLC)	RT 1.44, 0.40%; RT 5.94, 0.31%; RT 10.27, 0.30%	
Residual Solvents (NMR)	0.2% acetonitrile	
Assay (qNMR)	Not less than 90.0%	95.8%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		05/29/2026
Approved by:	Quality Assurance		05/29/2026

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