

Analysis Date: 23-01-2026

Re-test Date: 23-01-2029

METHOTREXATE EP IMPURITY I

Identification

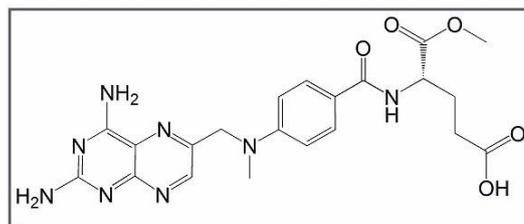
Chemical Name : (4S)-4-[[4-[[[(2,4-Diaminopteridin-6-yl)methyl]methylamino]benzoyl]amino]-5-methoxy-5-oxopentanoic acid ;

CAT No : ALL-MET-293

CAS No : 66147-29-3

Molecular Formula : C₂₁H₂₄N₈O₅ ;

Molecular Weight : 468.47



Analytical Information

Batch Code	: ALL-MET-293	HPLC Purity	: 98.00%
Solubility	: USP Diluent / EP Diluent (MEOH)	Potency	: 97.28%
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: 2-8 Å°C	IR Analysis	: Confirm
Weight Loss By TGA	: 0.651 %	1HNMR	: Confirm
Residue Of Ignition	: 0.183 %		

Additional Information

%Potency = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =
 [100 - (0.651 + 0.183) × 98.00]/100 = 97.28%

Recommendation : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr.Vipul Khadase Jr. Executive	
Approved By	QA&QC	Dr. Ashish Keche Director QA&QC	

Attachment : HPLC, Mass, 1H NMR, IR, TGA

Shipping Condition : All Product are stable to be shipped at room temperature, unless otherwise specified

Corporate Office