

Analysis Date: 30-01-2023

Re-test Date: 30-01-2026

METHOTREXATE EP IMPURITY G

Identification

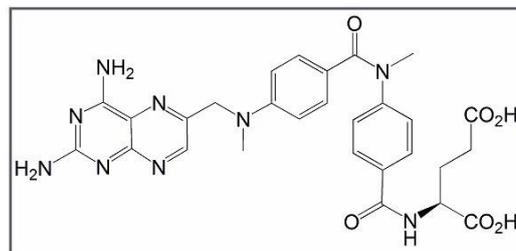
Chemical Name : (2S)-2-[[4-[[4-[[[(2,4-Diaminopteridin-6-yl)methyl]methylamino]benzoyl]methylamino]benzoyl]amino]pentanedioic acid ;

CAT No : ALL-MET-5

CAS No : N.A.

Molecular Formula : C₂₈H₂₉N₉O₆

Molecular Weight : 587.59



Analytical Information

Batch Code	: ALL-MET-5	HPLC Purity	: 98.00 %
Solubility	: USP Diluent / EP Diluent (MEOH)	Potency	: 95.07 %
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: 2-8 ^o C	IR Analysis	: Confirm
Weight Loss By TGA	: 0.069 %	¹H NMR	: Confirm
Residue Of Ignition	: 2.919 %		

Additional Information

%Potency = [100 -(Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =
 [100 – (0.069 + 2.919) × 98.00]/100= 95.07 %

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