

Analysis Date: 08-03-2024

Re-test Date: 08-03-2027

METHOTREXATE EP IMPURITY F

Identification

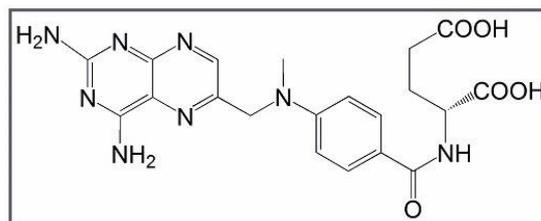
Chemical Name : (2R)-2-[[4-[[[(2,4-Diaminopteridin-6-yl)methyl]methylamino]benzoyl]amino] pentanedioic acid

CAT No : ALL-MET-793

CAS No : 51865-79-3

Molecular Formula : C₂₀H₂₂N₈O₅

Molecular Weight : 454.44



Analytical Information

Batch No.	: ALL-MET-793	HPLC Purity	: 99.09 %
Solubility	: MeOH: ACN	Potency	: 97.74 %
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: 2-8 ^o C	IR Analysis	: Confirm
Weight Loss By TGA	: 0.572 %	¹H NMR	: Confirm
Residue Of Ignition	: 0.784 %		

Additional Information

%Potency = [100 -(Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =
 [100 – (0.572 + 0.784) × 99.09]/100= 97.74 %

Recommendation : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Vipul Khadse 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