

Analysis Date: 07-01-2026

Re-test Date: 07-01-2029

METHOTREXATE EP IMPURITY D DESMETHYL IMPURITY

Identification

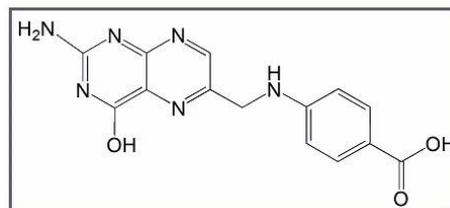
Chemical Name : 4-[[[(2-Amino-4-hydroxypteridin-6-yl)methyl]amino]benzoic acid ;

CAT No : ALL-MET-244

CAS No : 119-24-4

Molecular Formula : C₁₄H₁₂N₆O₃

Molecular Weight : 312.28



Analytical Information

Batch No	: ALL-MET-244	HPLC Purity	: 98.00 %
Solubility	: USP Diluent / EP Diluent (MEOH)	Potency	: 97.32 %
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: 2-8°C	IR Analysis	: Confirm
Weight Loss By TGA	: 0.541%	¹H NMR	: Confirm
Residue Of Ignition	: 0.143%		

Additional Information

%Potency = [100 -(Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =
 [100 – (0.541+0.143) × 98.00]/100 = 97.32 %

Recommendation : Released

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

Attachment : HPLC, Mass, 1H NMR, IR

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

Corporate Office