

Analysis Date: 05-01-2026

Re-test Date: 05-01-2026

METHOTREXATE EP IMPURITY D

Identification

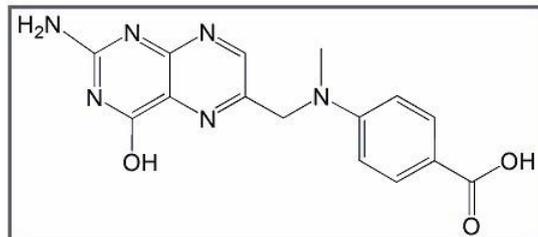
Chemical Name : 4-[[[(2-amino-4-hydroxypteridin-6-yl)methyl] methylamino]benzoic acid

CAT No : ALL-MET-187

CAS No : 5623-18-7

Molecular Formula : C₁₅H₁₄N₆O₃

Molecular Weight : 326.31



Analytical Information

Batch Code	: ALL-MET-187	HPLC Purity	: 98.00 %
Solubility	: USP Diluent / EP Diluent (MEOH)	Potency	: 97.11 %
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: 2-8 °C	IR Analysis	: Confirm
Weight Loss By TGA	: 0.415%	¹H NMR	: Confirm
Residue Of Ignition	: 0.484 %		

Additional Information

%Potency = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =
 [100 - (0.415+0.484) × 98.00]/100 = 97.11 %

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