

Analysis Date: 22-11-2023

Re-test Date: 22-11-2026

METHOTREXATE EP IMPURITY E

Identification

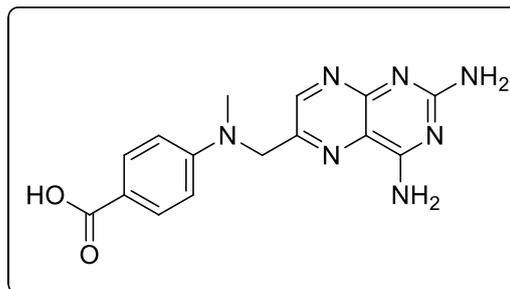
Chemical Name : 4-(((2,4-diaminopteridin-6-yl)methyl)(methyl)amino)benzoic acid

CAT No : ALL-MET-141

CAS No : 19741-14-1

Molecular Formula : C₁₅H₁₅N₇O₂

Molecular Weight : 325.33



Analytical Information

Batch N	: ALL-MET-141	HPLC Purity	: 96.92 %
Solubility	: MeOH: ACN	Potency	: 95.36 %
Appearance of Product	: Yellow solid	Mass	: Confirm
Long Term Storage	: 2-8 0C	IR Analysis	: Confirm
Weight Loss By TGA	: 0.650 %	¹H NMR	: Confirm
Residue Of Ignition	: 0.955 %	¹³C NMR	: Confirm

Additional Information

$$\% \text{Potency} = [100 - (\text{Weight Loss By TGA \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity\%}] / 100 =$$

$$[100 - (0.650 + 0.955) \times 96.92] / 100 = 95.36 \%$$

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, ¹³C NMR

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

Corporate Office