

Analysis Date: 29-01-2026

Re-test Date: 29-01-2029

## METHOTREXATE EP IMPURITY A

### Identification

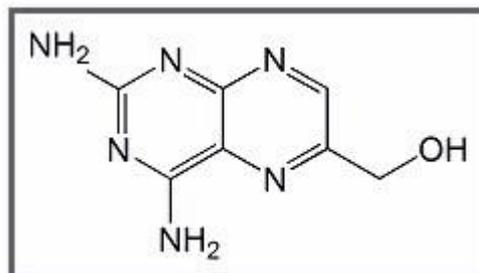
**Chemical Name** : 2,4-Diamino-6-(hydroxymethyl) pteridine

**CAT No** : ALL-MET-4

**CAS No** : 945-24-4

**Molecular Formula** : C7H8N6O

**Molecular Weight** : 192.18



### Analytical Information

<b>Batch No.</b>	: ALL-MET-4	<b>HPLC Purity</b>	: 99.86 %
<b>Solubility</b>	: MeOH: ACN	<b>Potency</b>	: 99.17 %
<b>Appearance of Product</b>	: Off White Solid	<b>Mass</b>	: Confirm
<b>Long Term Storage</b>	: 2-8 °C	<b>IR Analysis</b>	: Confirm
<b>Weight Loss By TGA</b>	: 0.332 %	<b>1HNMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.358 %		

### Additional Information

**%Potency** = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =  
 [100 - (0.332 + 0.358) × 99.86]/100 = 99.17 %

**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