

# CERTIFICATE OF ANALYSIS

(Certificate No. KMM018001-01)

Release Date: 03/04/2024

Re-test Date: 02/04/2027

## N-Nitroso Methotrexate EP Impurity-B

### Identification

**Chemical Name :**

(S)-2-(4-(((2,4-diaminopteridin-6-yl)methyl)(nitroso)amino)benzamido)pentanedioic acid

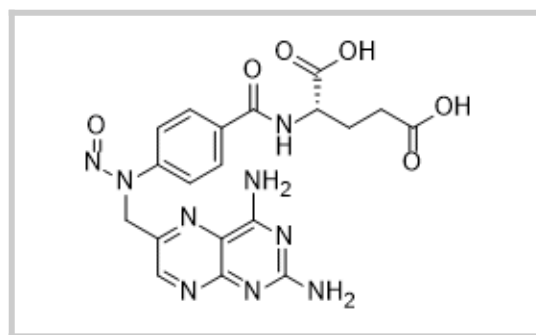
**Alt. Name** : N-Nitroso Aminopterin

**CAT No.** : KMM018001

**CAS No.** : Not Available

**Molecular Formula** : C<sub>19</sub>H<sub>19</sub>N<sub>9</sub>O<sub>6</sub>

**Molecular Weight** : 469.41



### Analytical Information

**Batch No.** : MET-EPB-NO-073-155

**Solubility** : DMSO

**Description** : Light Brown Solid

**Mass** : Confirm

**HPLC Purity** : 94.88 %

**IR** : Confirm

**Weight Loss By TGA** : 1.35 %

**<sup>1</sup>H NMR** : Confirm

**% Potency** : 93.6 %

### Additional Information

**Long Term Storage** : Store at 2-8 deg. C for long term storage

**Shipping Condition** : Product is stable to be shipped at room temperature

**% Potency** = [100 - 1.35(Weight Loss By TGA)] x [94.88(HPLC Purity)]/100 = 93.6 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		03/04/2024
Reviewed & Approved By	Quality Control	Jatin Patel		03/04/2024

**Attachments** : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA