

# CERTIFICATE OF ANALYSIS

(Certificate No. KML023001-01)

Release Date: 11/03/2024

Re-test Date: 10/03/2027

## N-Nitroso-leucovorin-2

### Identification

**Chemical Name :**

(2S)-2-(4-(((2-amino-5-formyl-4-oxo-1,4,5,6,7,8-hexahydropteridin-6-yl)methyl)(nitroso)amino)benzamido)pentanedioic acid (Mixture of E/Z Isomer)

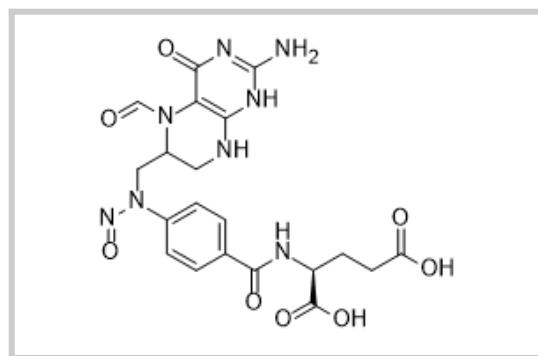
**Alt. Name** : Folinic acid Nitroso Impurity-2

**CAT No.** : KML023001

**CAS No.** : Not Available

**Molecular Formula** : C<sub>20</sub>H<sub>22</sub>N<sub>8</sub>O<sub>8</sub>

**Molecular Weight** : 502.44



### Analytical Information

**Batch No.** : LEU-N-NO-073-111

**Solubility** : Water

**Description** : Yellow Solid

**Mass** : Confirm

**HPLC Purity** : 96.84 %

**IR** : Confirm

**Weight Loss By TGA** : 0.58 %

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

**% Potency** : 96.28 %

### 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 - 0.58(Weight Loss By TGA)] x [96.84(HPLC Purity)]/100 = 96.28 %  
-Mixture of Isomers

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		11/03/2024
Reviewed & Approved By	Quality Control	Jatin Patel		11/03/2024

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