

# CERTIFICATE OF ANALYSIS

(Certificate No. KMF006044-01)

Release Date: 08/07/2025

Re-test Date: 07/07/2028

## Nitroso L-MTHF

### Identification

**Chemical Name :**

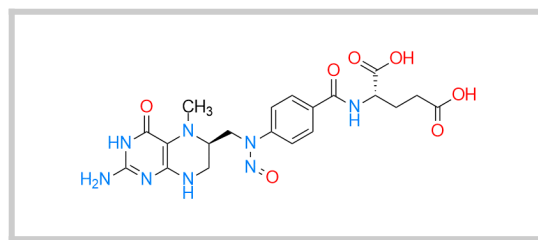
(4-(((2-amino-8-methyl-4-oxo-3,4,5,6,7,8-hexahydropteridin-6-yl)methyl)(nitroso)amino)benzoyl)-L-glutamic acid

CAT No. : KMF006044

CAS No. : Not Available

Molecular Formula : C<sub>20</sub>H<sub>24</sub>N<sub>8</sub>O<sub>7</sub>

Molecular Weight : 488.45



### Analytical Information

Batch No. : F006044-102-099

Description : Light Brown Solid

HPLC Purity : 93.71 %

Weight Loss By TGA : 3.06 %

% Potency : 90.84 %

Solubility : DMSO

Mass : Confirm

IR : Confirm

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

<sup>13</sup>C NMR : Confirm

D<sub>2</sub>O Exchange : Confirm

DEPT 135 : Confirm

### Additional Information

Long Term Storage : Store at -20 degree in dark (Light Sensitive)

Shipping Condition : Product is stable to be shipped at 2-8 deg. C

% Potency = [100 - 3.06(Weight Loss By TGA)] x [93.71(HPLC Purity)]/100 = 90.84 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		10/07/2025
Reviewed & Approved By	Quality Control	Jatin Patel		10/07/2025

Attachments : COA, HPLC, MASS, <sup>1</sup>HNMR, <sup>13</sup>CNMR, D<sub>2</sub>O Exchange, DEPT 135, IR and TGA