

CERTIFICATE OF ANALYSIS

(Certificate No. KMM018002-01)

Release Date: 29/07/2024

Re-test Date: 28/07/2027

Methotrexate R Isomer

Identification

Chemical Name :

sodium (R)-2-(4-(((2,4-diaminopteridin-6-yl)methyl)(methyl)amino)benzamido)pentanedioate

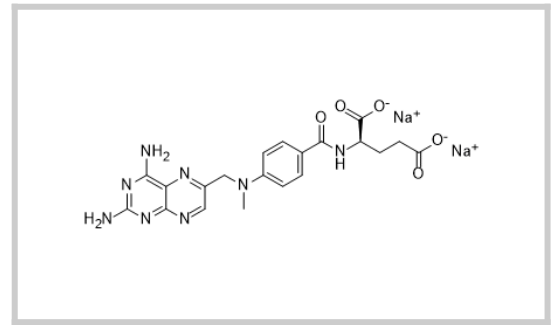
Alt. Name : (R)-methotrexate

CAT No. : KMM018002

CAS No. : Not Available (Na salt) ; 51865-79-3
(free acid)

Molecular Formula : C₂₀H₂₀N₈O₅ : 2(Na)

Molecular Weight : 454.44 : 2(23.0)



Analytical Information

Batch No. : MET-R-ISO-019-377

Description : Yellow Solid

HPLC Purity : 95.79 %

Weight Loss By TGA : 0.31 %

% Potency : 95.49 %

Solubility : Water

Mass : Confirm

IR : Confirm

¹H NMR : Confirm

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 - 0.31(Weight Loss By TGA)] x [95.79(HPLC Purity)]/100 = 95.49 %

Remarks : COA Re-generated on 29.07.2024

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		30/07/2024
Reviewed & Approved By	Quality Control	Jatin Patel		30/07/2024

Attachments : COA, HPLC, MASS, ¹H NMR, IR and TGA