



CERTIFICATE OF ANALYSIS

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1. Identification

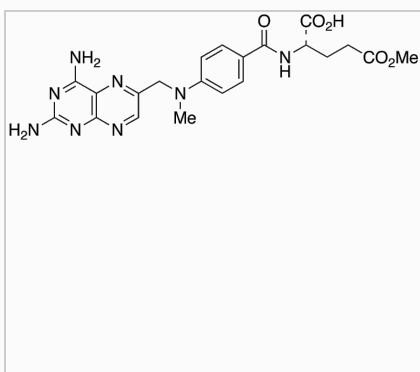
Catalogue Number: M260705

CAS Number: 67022-39-3

Product: Methotrexate γ -Methyl Ester

Synonym: N-[4-[(2,4-Diamino-6-pteridiny)methyl]methylamino]benzoyl]-L-glutamic Acid 5-Methyl Ester; EP Methotrexate Impurity H

Structure:



Molecular Formula:

C₂₁H₂₄N₈O₅

Molecular weight:

468.47

Source of Product:

Synthetic

Solubility:

Aqueous Base (Slightly),
DMSO (Slightly)

Lot Number: 9-ZCA-62-5

Purity: 97%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Light Yellow to Orange Solid	Light Yellow to Yellow Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	97.55% (305 nm)
Elemental Analysis	Conforms	%C: 49.92, %H: 5.11, %N: 21.98

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of \pm 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Henry Tieu	Toni Rantanen	Christina Gouliaras	3/7/2024	3/5/2028