



CERTIFICATE OF ANALYSIS

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1. Identification

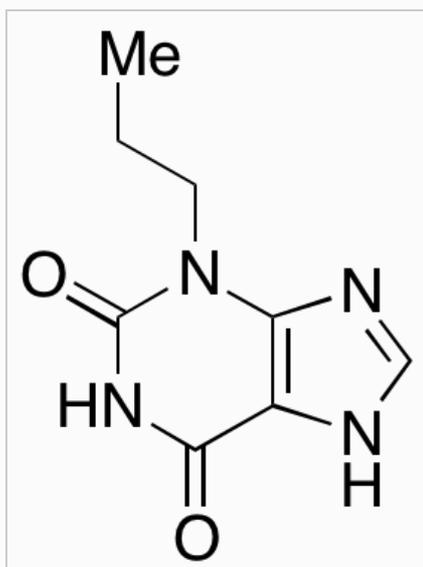
Catalogue Number: E557680

CAS Number: 41078-02-8

Product: Enprofylline

Synonym: 3,7-Dihydro-3-propyl-1H-purine-2,6-dione; 3-Propylxanthine; D 4028; 3,9-Dihydro-3-propyl-1H-purine-2,6-dione; 3-propyl-1H-purine-2,6(3H,7H)-dione

Structure:



Molecular Formula:

C₈H₁₀N₄O₂

Molecular weight:

194.19

Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 12-BLI-140-1

Purity: 98%

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	Off-White to Pale Yellow Solid	Pale Yellow Solid
Elemental Analysis	Conforms	%C: 49.30, %H: 5.16, %N: 28.68
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	99.30% (205 nm)

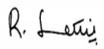
Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 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

Swathi Reddy



Reviewed By

Toni Rantanen



**C of A Approved
By**

Chanell Chu



Test Date

10/20/2021

Retest Date

10/18/2025