



CERTIFICATE OF ANALYSIS

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1. Identification

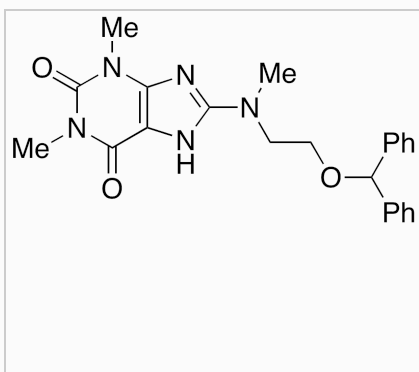
Catalogue Number: D492065

CAS Number: 33120-34-2

Product: 8-[2-(Diphenylmethoxy)-N-methylethylamino]-1,3-dimethylxanthine

Synonym: 8-[[2-(Diphenylmethoxy)ethyl]methylamino]-theophylline; 8-[[2-(Diphenylmethoxy)ethyl]methylamino]-1h-purine-2,6-dione; 8-[[2-(Diphenylmethoxy)ethyl]methylamino]-3,9-dihydro-1,3-dimethyl-1H-purine-2,6-dione

Structure:



Molecular Formula:

C₂₃H₂₅N₅O₃

Molecular weight:

419.48

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly), Ethyl Acetate (Slightly)

Lot Number: 6-KMT-54-2

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

White to Off-White Solid

White to Off-White Solid

NMR

Conforms to Structure

Conforms

MS

Conforms to Structure

Conforms

HPLC Purity

Report Result

99.68% (220 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 $\pm 2\%$. 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

Chanell Chu

12/8/2023

12/6/2027