



CERTIFICATE OF ANALYSIS

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1. Identification

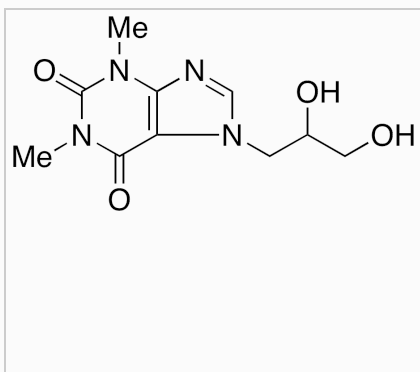
Catalogue Number: D826500

CAS Number: 479-18-5

Product: Dyphylline

Synonym: 7-(2,3-Dihydroxypropyl)-3,7-dihydro-1,3-dimethyl-purine-2,6-dione; Diprophylline; 7-(2,3-Dihydroxypropyl)-1,3-dimethylxanthine; 7-(2,3-Dihydroxypropyl)theophylline; Aristophyllin; Asthmolysin; Astmamasit; Astmophysine; Astrophyllin; Athmolysin; Circair; Circair; Cor-Theophyllin; Coronal; Coronarin; Corphyllin; Dilor; Glyfyllin; Glyphyllin; Glyphylline; Hidroxiteofillina; Hiphyllin; Hyphylline; Isophyllen; Lufyllin; NSC 14305; NSC 40844;

Structure:



Molecular Formula:

C₁₀H₁₄N₄O₄

Molecular weight:

254.24

Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 11-ABY-14-1

Purity: 98%

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

Storage Condition: 4°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
HPLC Purity	Report Result	99.61% (275 nm)
MS	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 47.09, %H: 5.65, %N: 22.21

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

Sarbjot Kaur



Reviewed By

Toni Rantanen



**C of A Approved
By**

Chanell Chu



Test Date

7/27/2022

Retest Date

7/25/2029