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CERTIFICATE OF ANALYSIS

Analysis Date: Dec 2023

Re-test Date: Nov 2026

Product Name: Caffeine EP Impurity F

Identification:

Chemical Name: 1,7-Dimethyl-3,7-dihydro-1H-purine-2,6-dione

Synonyms : Paraxanthine

CAS Number : 611-59-6

CAT Number : CP-C47006

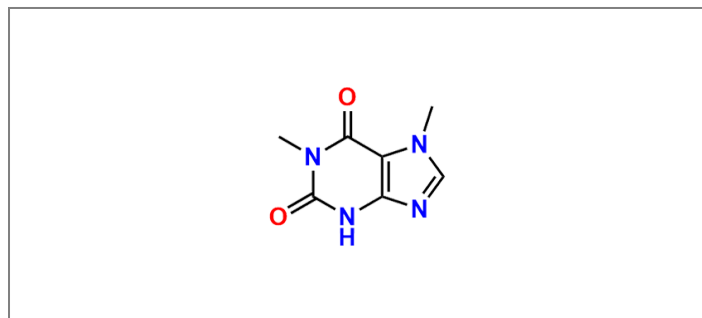
Molecular Formula : C₇H₈N₄O₂

Molecular Weight : 180.17

Batch Number : CP-CAF-F-1223

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



Analytical Information:

| Sr. No. | Test | Result |
|---------|--------------------|--------------------------|
| 1) | Description | White Solid |
| 2) | Solubility | Soluble in Methanol/DMSO |
| 3) | MASS By LCMS | Confirm to structure |
| 4) | Purity By HPLC | 100% |
| 5) | H1NMR | Confirm to structure |
| 6) | 13CNMR | Confirm to structure |
| 7) | Weight loss by TGA | 0.077% |
| 8) | Potency by TGA | 99.92% |



Prepared and Reviewed By

Ms Priyanka Salunkhe
(Manager QC Analytical)

Approved By

Ms Rohini Gagare
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.