

# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMP067014-01)

**Release Date:** 12/03/2025

**Re-test Date:** 11/03/2028

## **Pentoxifylline EP Impurity I**

### **Identification**

**Chemical Name :**

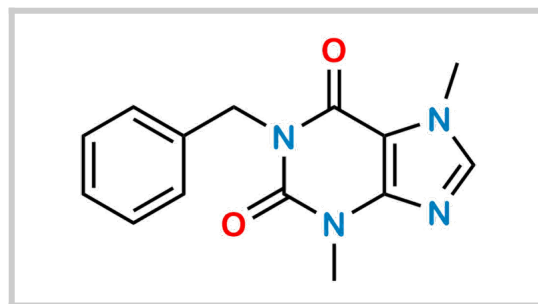
1-benzyl-3,7-dimethyl-3,7-dihydro-1H-purine-2,6-dione

**CAT No.** : KMP067014

**CAS No.** : 55247-90-0

**Molecular Formula** : C<sub>14</sub>H<sub>14</sub>N<sub>4</sub>O<sub>2</sub>

**Molecular Weight** : 270.3



### **Analytical Information**

**Batch No.** : P067014-091-260

**Description** : White Solid

**HPLC Purity** : 99.96 %

**Weight Loss By TGA** : 1.02 %

**% Potency** : 98.94 %

**Solubility** : Acetonitrile

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H NMR** : Confirm

### **Additional Information**

**Long Term Storage** : Store at 2-8 deg. C for long term storage

**Shipping Condition** : Product is stable to be Shipped at Room Temperature

**% Potency** = [100 - 1.02(Weight Loss By TGA)] x [99.96(HPLC Purity)]/100 = 98.94 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		20/03/2025
Reviewed & Approved By	Quality Control	Jatin Patel		20/03/2025

**Attachments** : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA