# CERTIFICATE OF ANALYSIS

(Certificate No. KMP067016-01)

**Release Date:** 18/03/2025 **Re-test Date:** 17/03/2028

## Pentoxifylline EP Impurity K

## Identification

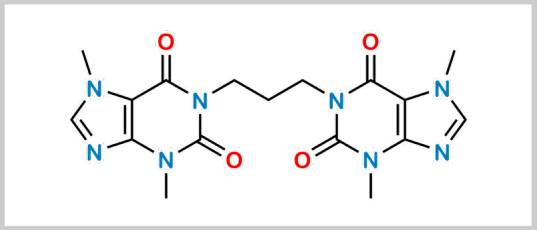
**Chemical Name** :
1,1'-(propane-1,3-diyl)bis(3,7-dimethyl-3,7-dihydro-1H-purine-2,6-dione)

**CAT No.** : KMP067016

**CAS No.** : 74857-22-0

**Molecular Formula** : C17H20N8O4

**Molecular Weight** : 400.4



## Analytical Information

| | | | |
|---|---|---|---|
| **Batch No.** | : P067016-091-261 | **Solubility** | : Acetonitrile |
| **Description** | : White Solid | **Mass** | : Confirm |
| **HPLC Purity** | : 99.74 % | **IR** | : Confirm |
| **Weight Loss By TGA** | : 1.10 % | **1H NMR** | : Confirm |
| **% Potency** | : 98.64 % | | |

## 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 - 1.10(Weight Loss By TGA)] x [99.74(HPLC Purity)]/100 = 98.64 %

**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, 1HNMR, IR and TGA