# CERTIFICATE OF ANALYSIS

(Certificate No. KMT020003-02)

**Release Date:** 02/04/2026 **Re-test Date:** 01/04/2029

## DESMETHYLENE TADALAFIL

## Identification

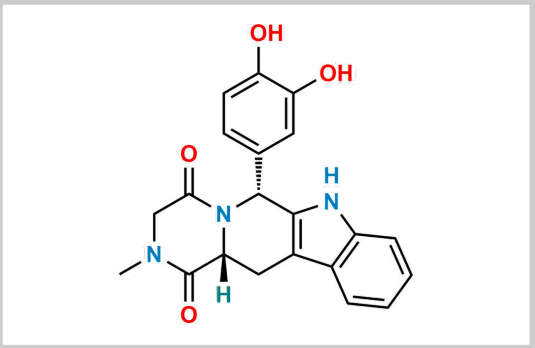
**Chemical Name** :
(6R,12aR)-6-(3,4-dihydroxyphenyl)-2-methyl-2,3,6,7,12,12a-hexahydropyrazino[1',2':1,6]pyrido[3,4-b]indole-1,4-dione

**CAT No.** : KMT020003

**CAS No.** : 171489-03-5

**Molecular Formula** : C21H19N3O4

**Molecular Weight** : 377.4




## Analytical Information

| | | | |
|---|---|---|---|
| **Batch No.** | : T020003-114-230 | **Solubility** | : ACN |
| **Description** | : Off White Solid | **Mass** | : Confirm |
| **HPLC Purity** | : 99.10 % | **IR** | : Confirm |
| **Weight Loss By TGA** | : 0.94 % | **1H NMR** | : Confirm |
| **% Potency** | : 98.17 % | | |

## 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 - 0.94(Weight Loss By TGA)] x [99.10(HPLC Purity)]/100 = 98.17 %

**Recommendation** : Released

| | Department | Name | Signature | Date |
|---|---|---|---|---|
| **Prepared By** | Analytical | Jignesh Patel | | 02/04/2026 |
| **Reviewed & Approved By** | Quality Control | Jatin Patel | | 02/04/2026 |

**Attachments** : COA, HPLC, MASS, 1HNMR, IR and TGA