

# CERTIFICATE OF ANALYSIS

(Certificate No. KMT020001-01)

Release Date: 23/04/2024

Re-test Date: 22/04/2027

## Tadalafil Impurity 16

### Identification

**Chemical Name :**

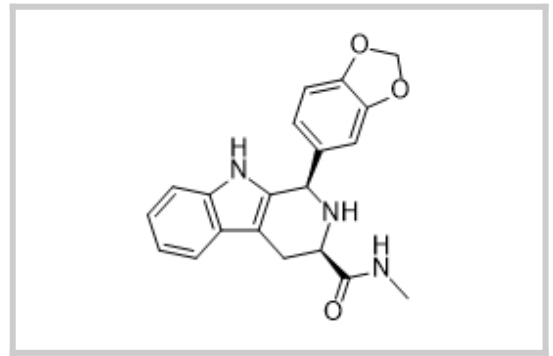
(1R,3R)-1-(benzo[d][1,3]dioxol-5-yl)-N-methyl-2,3,4,9-tetrahydro-1H-pyrido[3,4-b]indole-3-carboxamide

CAT No. : KMT020001

CAS No. : 951661-82-8

Molecular Formula : C<sub>20</sub>H<sub>19</sub>N<sub>3</sub>O<sub>3</sub>

Molecular Weight : 349.38



### Analytical Information

Batch No. : TAD-IMP-16-073-180

Description : Light Yellow Solid

HPLC Purity : 98.06 %

Weight Loss By TGA : 0.59 %

% Potency : 97.48 %

Solubility : ACN

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 =  $[100 - 0.59(\text{Weight Loss By TGA})] \times [98.06(\text{HPLC Purity})]/100 = 97.48 \%$

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		26/04/2024
Reviewed & Approved By	Quality Control	Jatin Patel		26/04/2024

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