CERTIFICATE OF ANALYSIS

(Certificate No. KMT020001-01)

Release Date: 23/04/2024 **Re-test Date:** 22/04/2027

Tadalafil Impurity 16

Identification

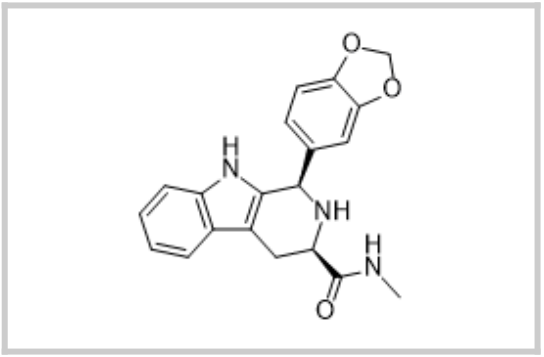
Chemical Name :
(1R,3R)-1-(benzo[d][1,3]dioxol-5-yl)-N-methyl-2,3,4,9-tetrahydro-1H-pyrido[3,4-b]indole-3-carboxamide

CAT No. : KMT020001

CAS No. : 951661-82-8

Molecular Formula : C20H19N3O3

Molecular Weight : 349.38



Analytical Information

Batch No.	: TAD-IMP-16-073-180	**Solubility**	: ACN
Description	: Light Yellow Solid	**Mass**	: Confirm
HPLC Purity	: 98.06 %	**IR**	: Confirm
Weight Loss By TGA	: 0.59 %	**1H NMR**	: Confirm
% Potency	: 97.48 %		

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(Weight Loss By TGA)] x [98.06(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, 1HNMR, IR and TGA