

CERTIFICATE OF ANALYSIS

(Certificate No. KML006004-01)

Release Date: 14/08/2024

Re-test Date: 13/08/2027

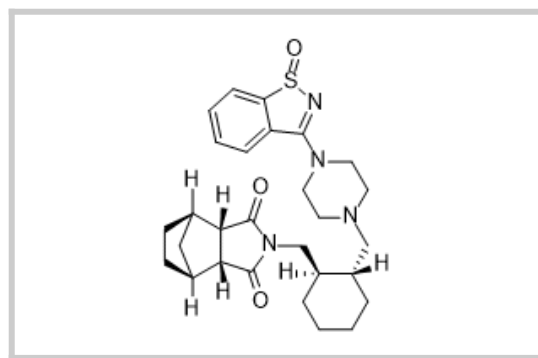
Lurasidone LRSRC-3 Impurity

Identification

Chemical Name :

(3aR,4S,7R,7aS)-2-(((1R,2R)-2-((4-(1-Oxidobenzo[d]isothiazol-3-yl)piperazin-1-yl)methyl)cyclohexyl)methyl)hexahydro-1H-4,7-methanoisoindole-1,3(2H)-dione

CAT No. : KML006004
CAS No. : Not Available
Molecular Formula : C₂₈H₃₆N₄O₃S
Molecular Weight : 508.68



Analytical Information

Batch No.	: LUR-S-OXIDE-073-330	Solubility	: ACN
Description	: Light Yellow Solid	Mass	: Confirm
HPLC Purity	: 99.88 %	IR	: Confirm
Weight Loss By TGA	: 1.09 %	¹ H NMR	: Confirm
% Potency	: 98.79 %		

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 = $[100 - 1.09(\text{Weight Loss By TGA})] \times [99.88(\text{HPLC Purity})]/100 = 98.79 \%$
Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		14/08/2024
Reviewed & Approved By	Quality Control	Jatin Patel		14/08/2024

Attachments : COA, HPLC, MASS, ¹H NMR, IR and TGA