

# CERTIFICATE OF ANALYSIS

(Certificate No. KML006007-01)

Release Date: 14/08/2024

Re-test Date: 13/08/2027

## Lurasidone LRSRC-7 Impurity

### Identification

**Chemical Name :**

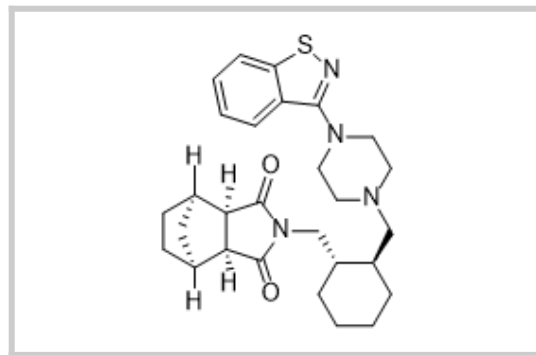
(3aR,4R,7S,7aS)-2-(((1S,2S)-2-((4-(benzo[d]isothiazol-3-yl)piperazin-1-yl)methyl)cyclohexyl)methyl)hexahydro-1H-4,7-methanoisoindole-1,3(2H)-dione

CAT No. : KML006007

CAS No. : Not Available

Molecular Formula : C<sub>28</sub>H<sub>36</sub>N<sub>4</sub>O<sub>2</sub>S

Molecular Weight : 492.68



### Analytical Information

Batch No. : LRSRC-7-073-338

Description : White Solid

HPLC Purity : 99.67 %

Weight Loss By TGA : 1.89 %

% Potency : 97.79 %

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 =  $[100 - 1.89(\text{Weight Loss By TGA})] \times [99.67(\text{HPLC Purity})]/100 = 97.79 \%$

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, 1HNMR, IR and TGA