

# CERTIFICATE OF ANALYSIS

(Certificate No. KML006003-01)

Release Date: 14/08/2024

Re-test Date: 13/08/2027

## Lurasidone Exo Imide Impurity

### Identification

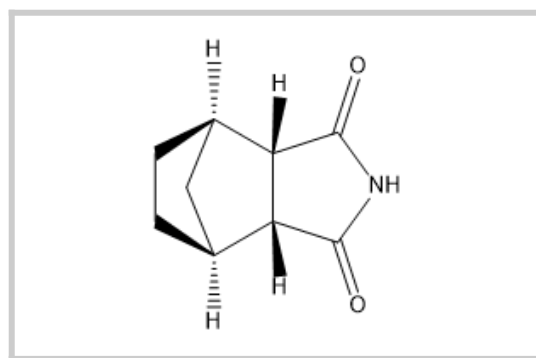
**Chemical Name :**  
exo-Hexahydro-1H-4,7-methanoisindole-1,3(2H)-dione

**CAT No. :** KML006003

**CAS No. :** 14805-29-9

**Molecular Formula :** C<sub>9</sub>H<sub>11</sub>NO<sub>2</sub>

**Molecular Weight :** 165.19



### Analytical Information

**Batch No. :** LUR-EXO-KSM-073-328

**Description :** White Solid

**HPLC Purity :** 99.83 %

**Weight Loss By TGA :** 0.07 %

**% Potency :** 99.76 %

**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 =**  $[100 - 0.07(\text{Weight Loss By TGA})] \times [99.83(\text{HPLC Purity})]/100 = 99.76 \%$

**Recommendation :** Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		14/08/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		14/08/2024

**Attachments :** COA, HPLC, MASS, <sup>1</sup>H NMR, IR and TGA