

# CERTIFICATE OF ANALYSIS

(Certificate No. KML014069-01)

Release Date: 30/12/2024

Re-test Date: 29/12/2027

## Lenalidomide Impurity D

### Identification

**Chemical Name :**

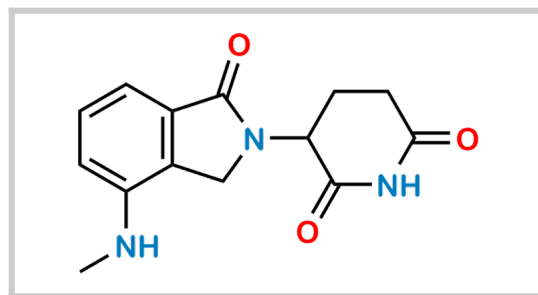
3-[4-(Methylamino)-1,3-dihydro-1-oxo-2H-isoindol-2-yl]-2,6-piperidinedione

CAT No. : KML014069

CAS No. : 2197421-58-0

Molecular Formula : C<sub>14</sub>H<sub>15</sub>N<sub>3</sub>O<sub>3</sub>

Molecular Weight : 273.3



### Analytical Information

Batch No. : L014069-091-109

Description : White Solid

HPLC Purity : 99.65 %

Weight Loss By TGA : 1.83 %

% Potency : 97.83 %

Solubility : 0.1% OPA :  
Methanol (75 : 25)

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 - 1.83(Weight Loss By TGA)] x [99.65(HPLC Purity)]/100 = 97.83 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		31/12/2024
Reviewed & Approved By	Quality Control	Jatin Patel		31/12/2024

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