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## CERTIFICATE OF ANALYSIS

Analysis Date: Jul 2025

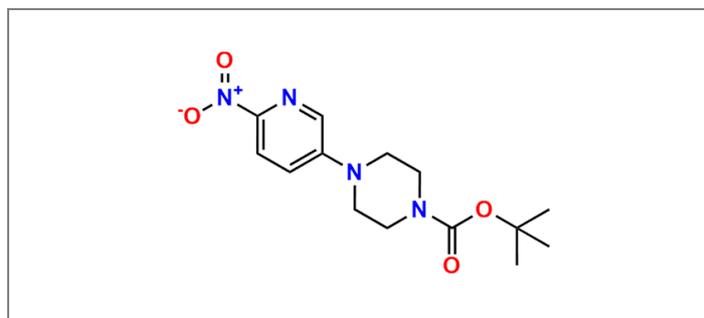
Re-test Date: Jun 2028

**Product Name: Palbociclib Impurity 56**

### Identification:

Chemical Name: Tert-butyl 4-(6-nitropyridin-3-yl)piperazine-1-carboxylate

Synonyms : NA  
CAS Number : 571189-16-7  
CAT Number : CP-P65028  
Molecular Formula : C<sub>14</sub>H<sub>20</sub>N<sub>4</sub>O<sub>4</sub>  
Molecular Weight : 308.34  
Batch Number : CP-PAL-56-0725



Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C  
Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA

### Analytical Information:

Sr. No.	Test	Result
1)	Description	Yellow Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.77%
5)	<sup>1</sup> HNMR	Confirm to structure
6)	<sup>13</sup> CNMR	Confirm to Structure
7)	IR	Confirm to Structure



Prepared and Reviewed By

Ms Priyanka Salunkhe  
(Quality Control)

Approved By

Ms Rohini Gagare  
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.