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## CERTIFICATE OF ANALYSIS

Analysis Date: Dec 2024

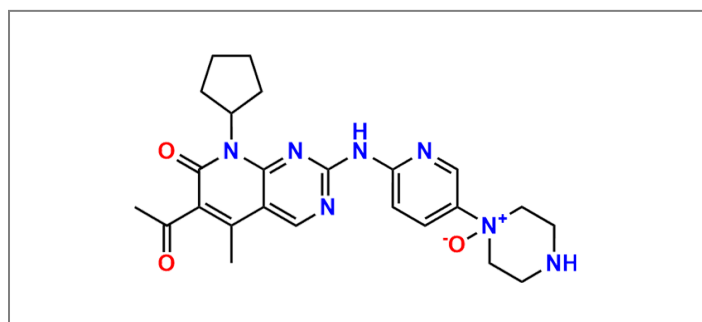
Re-test Date: Nov 2027

**Product Name: Palbociclib Piperazine N-Oxide**

### Identification:

Chemical Name: 1-(6-((6-acetyl-8-cyclopentyl-5-methyl-7-oxo-7,8-dihydropyrido[2,3-d]pyrimidin-2-yl)amino)pyridin-3-yl)piperazine 1-oxide

Synonyms : NA  
CAS Number : 2174002-29-8  
CAT Number : CP-P65008  
Molecular Formula : C<sub>24</sub>H<sub>29</sub>N<sub>7</sub>O<sub>3</sub>  
Molecular Weight : 463.54  
Batch Number : CP-PAL-NO-1224  
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	Off White to Pale Yellow Solid
2)	Solubility	Methanol, DMSO
3)	MASS By LCMS	Confirm to Structure
4)	Purity By HPLC	98.71%
5)	H1NMR	Confirm to Structure
6)	13CNMR	Confirm to Structure
7)	IR	Confirm to Structure
8)	Weight loss by TGA	2.127%
9)	Potency by TGA	96.58%



**Prepared and Reviewed By**

A handwritten signature in blue ink, appearing to read "Priyanka Salunkhe".

Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**

A handwritten signature in blue ink, appearing to read "Rohini Gagare".

Ms Rohini Gagare  
(QA Head)

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