

CERTIFICATE OF ANALYSIS

(Certificate No. KMP001117-01)

Release Date: 19/02/2026

Re-test Date: 18/02/2029

Palbociclib Nitroso Impurity 3

Identification

Chemical Name :

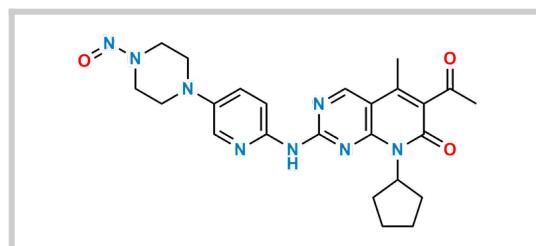
6-Acetyl-8-cyclopentyl-5-methyl-2-((5-(4-nitrosopiperazin-1-yl)pyridin-2-yl)amino)pyrido[2,3-d]pyrimidin-7(8H)-one

CAT No. : KMP001117

CAS No. : 2955712-44-2

Molecular Formula : C₂₄H₂₈N₈O₃

Molecular Weight : 476.5



Analytical Information

Batch No. : P001117-114-170

Description : Yellow Solid

HPLC Purity : 95.27 %

Weight Loss By TGA : 0.23 %

% Potency : 95.05 %

Solubility : THF

Mass : Confirm

IR : Confirm

¹H 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 - 0.23(Weight Loss By TGA)] x [95.27(HPLC Purity)]/100 = 95.05 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		20/02/2026
Reviewed & Approved By	Quality Control	Jatin Patel		20/02/2026

Attachments : COA, HPLC, MASS, ¹HNMR, IR and TGA