CERTIFICATE OF ANALYSIS

(Certificate No. KMP001117-01)

Release Date: 19/02/2026 **Re-test Date:** 18/02/2029

Palbociclib Nitroso Impurity 3

Identification

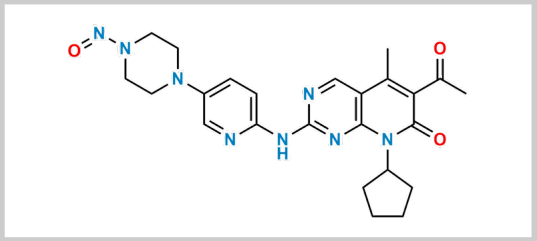
Chemical Name :
6-Acetyl-8-cyclopentyl-5-methyl-2-((5-(4-nitrosopiperazin-1-yl)pyridin-2-yl)amino)pyrido[2,3-d]pyrimidin-7(8H)-one

CAT No. : KMP001117

CAS No. : 2955712-44-2

Molecular Formula : C24H28N8O3

Molecular Weight : 476.5



Analytical Information

Batch No.	: P001117-114-170	**Solubility**	: THF
Description	: Yellow Solid	**Mass**	: Confirm
HPLC Purity	: 95.27 %	**IR**	: Confirm
Weight Loss By TGA	: 0.23 %	**1H NMR**	: Confirm
% Potency	: 95.05 %		

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