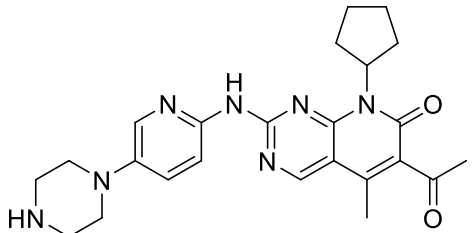


Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
123215	Palbociclib free base	BBC60217

Chemical name	
6-acetyl-8-cyclopentyl-5-methyl-2-((5-(piperazin-1-yl)pyridin-2-yl)amino)pyrido[2,3-d]pyrimidin-7(8H)-one	
Synonyms	
PD-0332991; PD 0332991; PD0332991; Palbociclib free base, brand name: Ibrance.	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 123215 Name: Palbociclib free base CAS#: 571190-30-2 Lot#: BBC60217 Chemical Formula: C ₂₄ H ₂₉ N ₇ O ₂ Exact Mass: 447.23827 Molecular Weight: 447.54

Analysis item	Specifications / Results
Appearance	Yellow solid powder
Structure	¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	>98.0%
Solubility	Soluble in DMSO.
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Self life	At least 5 years if properly stored.

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE