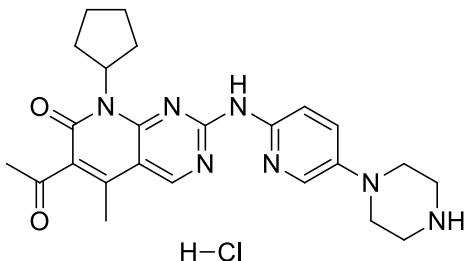


Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#
202173	Palbociclib HCl (PD 0332991 HCl)	A9T05K22

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 hydrochloride.

Synonyms
PD0332991; PD-0332991; PD 0332991 HCl; Palbociclib HCl

Chemical structure	CAS# and Theoretical analysis
 <p style="text-align: center;">H-Cl</p>	MedKoo Code#: 202173 Name: Palbociclib HCl CAS#: 827022-32-2 Lot#: A9T05K22 Chemical Formula: C ₂₄ H ₂₉ N ₇ O ₂ ·HCl Molecular Weight: 483.99

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)	>99.0%
Solubility	Soluble in water (20mg / mL), slightly soluble in DMSO (1 mg /mL)
Conclusion	This product conforms with MedKoo's quality's 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