

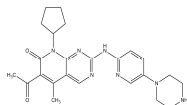
PRODUCT: PD0332991

ALTERNATE NAME: 6-Acetyl-8-cyclopentyl-5-methyl-2-[[5-(1-piperaziny)-2-pyridinyl]amino]pyrido[2,3-d]pyrimidin-7(8H)-one, PD0332991, Palbociclib

CATALOG #: 2843-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₄H₂₉N₇O₂

MOLECULAR WEIGHT: 447.53

CAS NUMBER: 571190-30-2

APPEARANCE: Light yellow to yellow solid

SOLUBILITY: DMSO

PURITY: ≥98% by HPLC

STORAGE: Store at -20 °C. Protect from air and light

DESCRIPTION: PD0332991 is a highly specific inhibitor of Cdk4 (IC₅₀= 11 nM) and Cdk6 (IC₅₀=16 nM). Displays selectivity for Cdk4/6 over a panel of 34 additional protein kinases (IC₅₀ values are > 10 μM).

REFERENCES: Rocca, A., *et al.* (2014). *Expert Opin. Pharmacother.* **15**, 407-420.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Alsterpaullone (Cat. No. 1897-1,5)
 AT-7519 hydrochloride (Cat. No. 2816-5, 25)
 Butyrolactone I (Cat. No. 1690-200)
 Doramapimod (Cat. No. 1954-5, 25)
 Flavopiridol (Cat. No. 2090-1, 5)
 10Z-Hymenialdisine (Cat. No. 2212-250, 1000)
 Kenpaullone (Cat. No. 1904-1)
 PD1834352 (CI-1040) (Cat. No. 1585-1,5,25)
 EZSolution™ PD184352 (Cat. No. 1871-1)
 PD325901 (Cat. No. 1643-2, 5, 25)
 PD98059 (Cat. No. 1666-5)
 EZSolution™ PD98059 (Cat. No. 1783-5)
 (R)-Perharidine-1 (Cat. No. 2615-1,5)
 RO-3306 (Cat. No. 2039-1,5)
 Roscovitine (Cat. No. 1950-1,5)
 SB 203580 (Cat. No. 1712-1, 5)
 EZSolution™ SB203580 (1786-1)
 Sorafenib (Cat. No. 1594-25, 100)
 TG003 (Cat. No. 1905-5, 25)
 7, 3', 4'-Trihydroxyisoflavone (1886-25, 100)
 U0126 (Cat. No. 1668-5)
 VX-702 (Cat. No. 1598-1,5)

USAGE: **FOR RESEARCH CH USE ONLY! Not to be used in humans**