

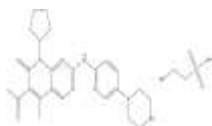
PRODUCT: PD-0332991 isethionate

ALTERNATE NAME: 6-acetyl-8-cyclopentyl-5-methyl-2-[[5-(1-piperazinyl)-2-pyridinyl]amino]pyrido[2,3-*d*]pyrimidin-7(8*H*)-one isethionate salt; Palbociclib

CATALOG #: 9480-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₄H₂₉N₇O₂·C₂H₆O₄S

MOLECULAR WEIGHT: 573.66

CAS NUMBER: 827022-33-3

APPEARANCE: Yellow solid

SOLUBILITY: Water (~55 mg/ml) or DMSO (~ 6 mg/ml)

PURITY: ≥98% by HPLC

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

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**