

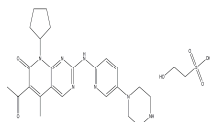
PRODUCT: PD-0332991 isethionate

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