

PRODUCT: Dinaciclib

ALTERNATE NAME: 2-[(2S)-1-[3-ethyl-7-[(1-oxidopyridin-1-ium-3-yl)methylamino]pyrazolo[1,5-a]pyrimidin-5-yl]piperidin-2-yl]ethanol; SCH-727965

CATALOG #: 9537-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₁H₂₈N₆O₂

MOLECULAR WEIGHT: 396.49

CAS NUMBER: 779353-01-4

APPEARANCE: Light brown solid

SOLUBILITY: DMSO (>20 mg/ml)

PURITY: ≥98% by HPLC

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

DESCRIPTION: Dinaciclib is a potent and selective cyclin-dependent kinase (CDK) inhibitor displaying selectivity for CDK1, CDK2, CDK5 and CDK9 with IC₅₀ values of 3, 1, 1 and 4 nM respectively. It has been shown to inhibit DNA synthesis by blocking thymidine incorporation in A2780 ovarian cancer cells with an IC₅₀ value of 4 nM.

REFERENCES: Kumar, S.K., *et al.* (2015). *Blood* **125**, 443-448.

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**)
 Ribociclib (**Cat. No. 9481-5,25**)
 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**