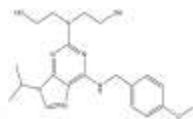


PRODUCT: CVT-313

ALTERNATE NAME: 2(bis-(Hydroxyethyl)amino)-6-(4-methoxybenzylamino)-9-isopropyl-purine

CATALOG #: B1137-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:

MOLECULAR FORMULA: C₂₀H₂₈N₆O₃

MOLECULAR WEIGHT: 400.48

CAS NUMBER: 199986-75-9

APPEARANCE: White Solid

SOLUBILITY: DMSO (> 10 mg/ml)

PURITY: ≥98% by HPLC

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

DESCRIPTION: CVT-313 is a potent and selective inhibitor of CDK2 (cyclin dependent kinase 2) arresting cell growth with IC₅₀ ranging from 1.25 to 20 μM. The inhibition is competitive with respect to ATP (K_i = 95 nM). CVT-313 has no effect on other, nonrelated ATP-dependent serine/threonine kinases.

REFERENCES: Brooks, EE. , *et al.* (1997). *J.Biol.Chem.* **272**, 29207- 29211.

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)
 Bohemine (Cat. No. B1040-10, 50)
 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)
 LY2835219 (Cat. No. B1039-10,50)
 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)
 PD-0332991 (Cat. No. 2843-5,25)
 PD-0332991 Isethionate (Cat. No. 9480-5,25)
 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)
 SNS-032 (Cat. No. 9490-5,25)
 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**