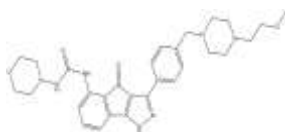


PRODUCT: RGB-286638 free base**ALTERNATE NAME:** 1-[3-[4-[[4-(2-methoxyethyl)piperazin-1-yl]methyl]phenyl]-4-oxo-1H-indenof[1,2-c]pyrazol-5-yl]-3-morpholin-4-ylurea**CATALOG #:** 2886-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₉H₃₅N₇O₄**MOLECULAR WEIGHT:** 545.63**CAS NUMBER:** 784210-88-4**APPEARANCE:** Crystalline solid**SOLUBILITY:** DMSO**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20 °C. Protect from air and light

DESCRIPTION: RGB-286638 is a potent and selective cyclin-dependent kinase (CDK) inhibitor with IC₅₀ values of 1, 2, 3 and 44 nM for CDK9, CDK1, CDK2, and CDK4, respectively. Less potent against cyclin H-CDK7 and cyclin D3-CDK6. It inhibits cell cycle progression in cancer cells by targeting CDKs, and is also found to induce apoptosis. In a range of pre-clinical models of solid and hematological tumors, RGB-286638 treatment results in tumor regression and increased survival.

REFERENCES: Cirstea, D., *et al.* (2013). *Leukemia* **27**, 2366-2375.**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**)
 PD0332991 (**Cat. No. 2843-5, 25**)
 (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*