

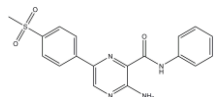
PRODUCT: VE-821

ALTERNATE NAMES: VE821; VE 821; 3-amino-6-(4-methylsulfonylphenyl)-N-phenyl pyrazine-2-carboxamide

CATALOG#: B1723-5, -25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₈H₁₆N₄O₃S

MOLECULAR WEIGHT: 368.41

CAS NUMBER: 1232410-49-9

APPEARANCE: Solid powder

SOLUBILITY: DMSO

PURITY: >98%

STORAGE: Dry, dark and at 4°C for short term (days to weeks) or at -20°C for long term. Protect from air and light.

DESCRIPTION: VE-821 is a potent and selective ATP competitive inhibitor of ATR with Ki/IC50 of 13 nM/26 nM.

REFERENCES:

1. Charrier JD et al. Discovery of potent and selective inhibitors of ataxia telangiectasia mutated and Rad3 related (ATR) protein kinase as potential anticancer agents. *J Med Chem.* 2011 Apr 14;54(7):2320–30.
2. Muralidharan SV et al. BET bromodomain inhibitors synergize with ATR inhibitors to induce DNA damage, apoptosis, senescence-associated secretory pathway and ER stress in Myc-induced lymphoma cells. *Oncogene.* 2016 Sep 8;35(36):4689–97.
3. Prevo R et al. The novel ATR inhibitor VE-821 increases sensitivity of pancreatic cancer cells to radiation and chemotherapy. *Cancer Biol Ther.* 2012 Sep; 13(11):1072–81.
4. Reaper P et al. Selective killing of ATM- or p53-deficient cancer cells through inhibition of ATR. *Nat Chem Biol.* 2011 Apr 13;7(7):428–30.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

- BEZ235 (NVP-BEZ235) (Cat. No. 1626-5, 25)
- BI-D1870 (Cat. No. 1824-1, 5)
- Deforolimus (Cat. No. 1587-5, 25)
- DiscoveryPak™ PI 3-Kinase Inhibitor Panel (Cat. No. K856-5)
- Everolimus (Cat. No. 1917-5, 25)
- GDC-0941 (Cat. No. 1623-1, 5)
- GSK-2126458 (Cat. No. 1961-1, 5)
- IC87114 (Cat. No. 1661-1)
- LY 294002 (Cat. No. 1667-5, 25)
- OSI-027 (Cat. No. 2372-5, 25)
- mTOR Inhibitor, Ku-0063794 (Cat. No. 1779-1, 5)
- mTOR Inhibitor, WYE-28 (Cat. No. 2255-500, 1000)
- mTOR Inhibitor, WYE-132 (Cat. No. 2256-500, 1000)
- mTOR Inhibitor, WYE-23 (Cat. No. 2257-500, 1000)
- PI-103 (Cat. No. 1728-1, 5)
- PI3-Ky Inhibitor, AS-605240 (Cat. No. 1780-1, 5)
- PathwayReady™ PI3-K/Akt/mTOR Signaling Inhibitor panel (Cat. No. K857-11)
- PP242 (Cat. No. 1658-1)
- P529 (Cat. No. 2462-5, 25)
- PX-866 (Cat. No. 1965-1, 5)
- Rapamycin (Cat. No. 1568-5, 50)
- EZSolution™ Rapamycin (Cat. No. 1746-5)
- Temsirolimus (Cat. No. 1600-5, 25)
- TGX-115 (Cat. No. 1660-1)
- TGX-221 (Cat. No. 1781-1, 5)
- Torin 1 (Cat. No. 2273-5, 25)
- Torin 2 (Cat. No. 2274-5, 25)
- EZSolution™ Torin 1 (Cat. No. 2353-5)
- EZSolution™ Torin 2 (Cat. No. 2354-5)
- Wortmannin (Cat. No. 1670)
- XL765 (Cat. No. 2551-5, 25)

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans**