

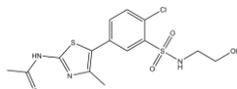
**PRODUCT: PIK-93**

**ALTERNATE NAMES:** PIK 93; PIK93; N-[5-[4-chloro-3-(2-hydroxyethylsulfamoyl)phenyl]-4-methyl-1,3-thiazol-2-yl]acetamide

**CATALOG#:** B1670-5, -25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>14</sub>H<sub>16</sub>ClN<sub>3</sub>O<sub>4</sub>S<sub>2</sub>

**MOLECULAR WEIGHT:** 389.88

**CAS NUMBER:** 593960-11-3

**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:** PIK-93 is the first potent, synthetic PI4K (PI4KIIIβ) inhibitor with IC<sub>50</sub> of 19 nM; shown to inhibit PI3Kα with IC<sub>50</sub> of 39 nM.

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

**REFERENCES:**

1. Monet M., et al. Involvement of phosphoinositide 3-kinase and PTEN protein in mechanism of activation of TRPC6 protein in vascular smooth muscle cells. *J Biol Chem.* 2012 May 18;287(21):17672-81.
2. Tóth B., et al. Phosphatidylinositol 4-kinase IIIβ regulates the transport of ceramide between the endoplasmic reticulum and Golgi. *J Biol Chem.* 2006 Nov 24;281(47):36369-77.
3. Hsu, N. Y., et al. 2010. Viral reorganization of the secretory pathway generates distinct organelles for RNA replication. *Cell* 141:799-811.
4. Arita M., et al. Phosphatidylinositol 4-kinase III beta is a target of enviroxime-like compounds for antipoliiovirus activity. *J Virol.* 2011 Mar;85(5):2364-72.

**RELATED PRODUCTS:**

- BEZ235 (NVP-BEZ235) (Cat. No. 1626-5, 25)
- GDC-0941 bismesylate (Cat. No. 1623-1, 5)
- Deforolimus (Cat. No. 1587-5, 25)
- IC87114 (Cat. No. 1661-1)
- LY 294002 (Cat. No. 1667-5, 25)
- mTOR Inhibitor, Ku-0063794 (Cat. No. 1779-1, 5)
- PI-103 (Cat. No. 1728-1, 5)
- PP242 (Cat. No. 1658-1)
- Rapamycin (Cat. No. 1568-5, 50)
- Temsirolimus (Cat. No. 1600-5, 25)
- TGX-115 (Cat. No. 1660-1)
- TGX-221 (Cat. No. 1781-1, 5)
- Wortmannin (Cat. No. 1670-1)

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