

# Phosphatidylinositol-4-phosphate 5-kinase inhibitor PIP5K Small Molecule (Tool Compound)

**Catalogue number:** 160406

**Sub-type:** Inhibitor

**Images:**

## Contributor

**Inventor:** Martin Swarbrick

**Institute:** Cancer Research Technology AstraZeneca Metabolism Alliance Team

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Phosphatidylinositol-4-phosphate 5-kinase inhibitor PIP5K Small Molecule (Tool Compound)

**Alternate name:** Synonyms for Phosphatidylinositol-4-phosphate 5-kinase: PIKFYVE, Phosphoinositide Kinase, FYVE Finger Containing Phosphatidylinositol-3-Phosphate/Phosphatidylinositol 5-Kinase Type III, Phosphatidylinositol 3-Phosphate 5-Kinase Type III, Type III PIP Kinase, PIPkin-III, PIP5K3, FYVE Finger-Containing Phosphoinositide Kinase 4, 1-Phosphatidylinositol-3-Phosphate 5-Kinase, Phosphatidylinositol 3-Phosphate 5-Kinase, Zinc Finger FYVE Domain Containing, Epididymis Luminal Protein 37, FYVE Domain Containing 29, KIAA981, ZFYVE29, PIKfyve, HEL37, PIP5K, FAB1, CFD

**Class:**

**Conjugate:**

**Description:**

**Purpose:** Inhibitor

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:** PI4KCA IC50: 20.9 Å?M PI4KCB IC50: 5.99 Å?M PI3KÎ? IC50: 34.6 Å?M

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:** Relevant Indications: PI3K, PLC, Wnt, Fc-receptor, BAF Negative Control Available:  
No The compounds are made up to 12mM stock concentration in DMSO. The final concentration of DMSO when treating cells should be less than 1%.

## Target details

**Target:**

**Target alternate names:**

**Target background:**

**Molecular weight:**

**IC50:** PIP5K1? IC50: 0.011  $\mu$ M PIP5K1? IC50: 0.004  $\mu$ M PIP5K1? IC50: 0.001  $\mu$ M

## Applications

**Application:**

**Application notes:**

## Handling

**Format:**

**Concentration:**

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:**

**Shipping conditions:** Dry Ice

## Related tools

Related tools:

## References

**References:** Hamilton et al. 2012. J Med Chem. 55(9):4431-45. PMID: 22506561. ; Hitchin et al. 2012. Tetrahedron Letters. 53:2868-72

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