

PI4K alpha Inhibitor Small Molecule (Tool Compound)

Catalogue number: 153579

Sub-type: Inhibitor

Images:

Contributor

Inventor: Martin Swarbrick

Institute: Cancer Research Technology AstraZeneca Metabolism Alliance Team

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: PI4K alpha Inhibitor Small Molecule (Tool Compound)

Alternate name:

Class:

Conjugate:

Description: Potent, small molecule inhibitor of PI4Ka, with no significant activity towards related kinases in the pathway. In a cellular environment, inhibition of PI4Ka led to a reduction in phosphatidylinositol-4-phosphate and phosphatidylinositol-4,5-bisphosphate concentration, causing inhibition of inositol-1-phosphate formation and inhibition of proliferation in a panel of cancer cell lines.

Purpose: Inhibitor

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype:

Reactivity:

Selectivity: 5.9 (PI4K \hat{I} ?); 5.2 (PI3K \hat{I} ?); **Host:**

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes: Compound 7 (PMID: 24366037). AstraZeneca Alliance. Purity >99%

Target details

Target:

Target alternate names:

Target background:

Molecular weight: 499.13

Ic50: 8.2 (PI4KÎ?)

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: Raubo et al. 2015. Bioorg Med Chem Lett. 25(16):3189-93. PMID: 26087940.

CancerTools.org