

**Product Name:** Ki 16425

**Catalog No.:** 5056

**Batch No.:** 2

CAS Number: 355025-24-0

IUPAC Name: 3-[[[4-[4-[[[1-(2-Chlorophenyl)ethoxy]carbonyl]amino]-3-methyl-5-isoxazolyl]phenyl]methyl]thio]propanoic acid

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>23</sub>H<sub>23</sub>ClN<sub>2</sub>O<sub>5</sub>S.¾H<sub>2</sub>O

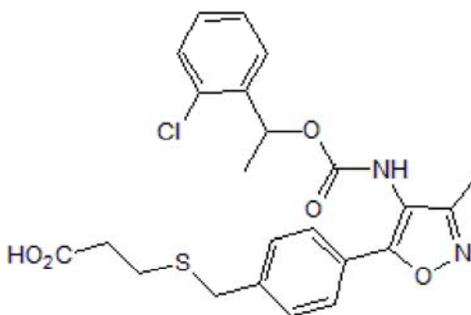
**Batch Molecular Weight:** 488.47

**Physical Appearance:** White solid

**Solubility:** DMSO to 100 mM  
ethanol to 100 mM  
1eq. NaOH to 20 mM

**Storage:** Store at +4°C

**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 98.4% purity

**<sup>1</sup>H NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	56.55	5.06	5.73
Found	56.65	4.85	5.99

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

**bio-techne.com**

info@bio-techne.com

techsupport@bio-techne.com

**North America**

Tel: (800) 343 7475

**China**

info.cn@bio-techne.com

Tel: +86 (21) 52380373

**Europe Middle East Africa**

Tel: +44 (0)1235 529449

**Rest of World**

www.tocris.com/distributors

Tel:+1 612 379 2956

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**Description:**

Ki 16425 is an antagonist of the lysophosphatidic acid receptors LPA<sub>1</sub> and LPA<sub>3</sub> (K<sub>i</sub> values are 0.25 and 0.36 μM respectively, in a GTPγS binding assay). Blocks LPA-induced dephosphorylation of Yes-associated protein (YAP) and WW domain-containing transcription regulator protein 1 (TAZ), inhibiting the Hippo signaling pathway, in HEK293A cells.

**Physical and Chemical Properties:**

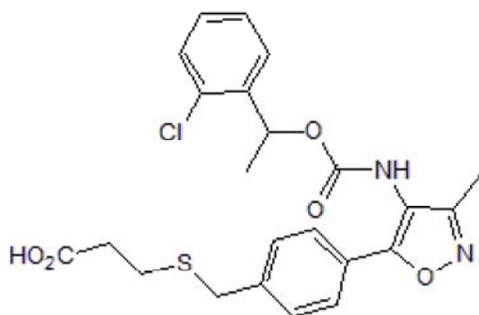
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Batch Molecular Weight: 488.47

Physical Appearance: White solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**Storage:** Store at +4°C

**Solubility & Usage Info:**

DMSO to 100 mM  
ethanol to 100 mM  
1eq. NaOH to 20 mM

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**References:**

Yu *et al* (2012) Regulation of the Hippo-YAP pathway by G-protein-coupled receptor signaling. *Cell* **150** 780. PMID: 22863277.

Yamada *et al* (2004) Lysophosphatidic acid (LPA) in malignant ascites stimulates motility of human pancreatic cancer cells through LPA<sub>1</sub>. *J.Biol.Chem.* **279** 6595. PMID: 14660630.

Ohta *et al* (2003) Ki16425, a subtype-selective antagonist for EDG-family lysophosphatidic acid receptors. *Mol.Pharmacol.* **64** 994. PMID: 14500756.

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