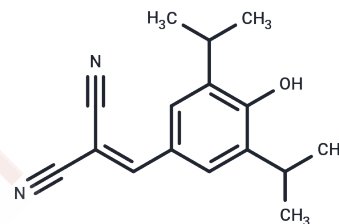


AG 1406

## Chemical Properties

CAS No. : 71308-34-4  
 Formula: C<sub>16</sub>H<sub>18</sub>N<sub>2</sub>O  
 Molecular Weight: 254.33  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	AG 1406 is a selective inhibitor of the receptor tyrosine kinase VEGF receptor 2.
Targets(IC50)	EGFR, VEGFR
Kinase Assay	The cells are incubated in SIT buffer containing 0.25% bovine serum albumin and 250 µg/mL bacitracin and 125I-BA1 (100,000 cpm) is added, as well as various concentrations of unlabelled competitor (ML-18). After incubation at 37°C for 30 min, free 125I-BA1 is removed by washing 3 times in buffer and the cells which contain bound 125I-BA1 is dissolved in 0.2 N NaOH and counted in a gamma counter. The IC50 is calculated for each unlabeled competitor.

## Solubility Information

Solubility	DMSO: 12 mg/mL (47.18 mM), Sonication is recommended. ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9319 mL	19.6595 mL	39.319 mL
5 mM	0.7864 mL	3.9319 mL	7.8638 mL
10 mM	0.3932 mL	1.9659 mL	3.9319 mL
50 mM	0.0786 mL	0.3932 mL	0.7864 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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