

(E)-AG 556

Chemical Properties

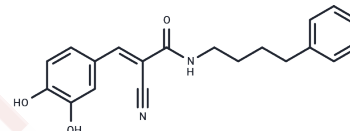
CAS No. : 133550-41-1

Formula: C₂₀H₂₀N₂O₃

Molecular Weight: 336.38

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 556 is a selective inhibitor of EGFR and blocks LPS-induced TNF- α production.
Targets(IC50)	EGFR

Solubility Information

Solubility	DMSO: 50 mg/mL (148.64 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	2.9728 mL	14.8641 mL	29.7283 mL
5 mM	0.5946 mL	2.9728 mL	5.9457 mL
10 mM	0.2973 mL	1.4864 mL	2.9728 mL
50 mM	0.0595 mL	0.2973 mL	0.5946 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.

Reference

George J, et al. Tyrphostin AG-556 reduces myocardial infarct size and improves cardiac performance in the rat. *Exp Mol Pathol.* 2003 Jun;74(3):314-8.

Gazit A, et al. Tyrphostins. 2. Heterocyclic and alpha-substituted benzylidenemalononitrile tyrphostins as potent inhibitors of EGF receptor and ErbB2/neu tyrosine kinases. *J Med Chem.* 1991 Jun;34(6):1896-907.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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