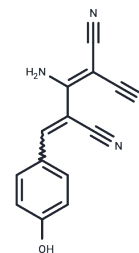


Tyrphostin AG 112

Chemical Properties

CAS No. :	144978-82-5
Formula:	C ₁₃ H ₈ N ₄ O
Molecular Weight:	236.23
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	Tyrphostin AG 112 is an inhibitor of EGFR phosphorylation.
Targets(IC50)	EGFR

Solubility Information

Solubility	DMSO: 50 mg/mL (211.66 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (8.47 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.2332 mL	21.1658 mL	42.3316 mL
5 mM	0.8466 mL	4.2332 mL	8.4663 mL
10 mM	0.4233 mL	2.1166 mL	4.2332 mL
50 mM	0.0847 mL	0.4233 mL	0.8466 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

Rodrigo Franco, et al. Epidermal Growth Factor Receptor Is Activated by Hyposmolarity and Is an Early Signal Modulating Osmolyte Efflux Pathways in Swiss 3T3 Fibroblasts. Pflugers Arch. 2004 Mar;447(6):830-9.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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