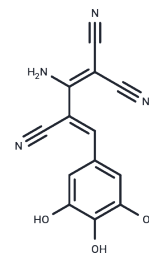


Tyrphostin 51

Chemical Properties

CAS No. :	126433-07-6
Formula:	C ₁₃ H ₈ N ₄ O ₃
Molecular Weight:	268.23
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 51 is an effective inhibitor of EGFR kinase.
Targets(IC50)	EGFR,Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7281 mL	18.6407 mL	37.2814 mL
5 mM	0.7456 mL	3.7281 mL	7.4563 mL
10 mM	0.3728 mL	1.8641 mL	3.7281 mL
50 mM	0.0746 mL	0.3728 mL	0.7456 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

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- Ikeda M, Gunji Y, Sonoda H, Oshikawa S, Shimono M, Horie A, Ito K, Yamasaki S. Inhibitory effect of tyrphostin 47 on Shiga toxin-induced cell death. *Eur J Pharmacol.* 2006 Sep 28;546(1-3):36-9. Epub 2006 Jul 26. PubMed PMID: 16919262.
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- Khan SM, Oliver RH, Yeh J. Epidermal growth factor receptor inhibition by tyrphostin 51 induces apoptosis in luteinized granulosa cells. *J Clin Endocrinol Metab.* 2005 Jan;90(1):469-73. Epub 2004 Oct 19. PubMed PMID: 15494464.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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