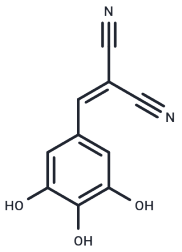
Data Sheet (Cat.No.T21622)

TargetMol

Tyrphostin A25

Chemical Properties



CAS No. : 118409-58-8

Formula: C10H6N2O3

Molecular Weight: 202.17

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 A25 (Tyrphostin AG 82) is a specific EGFR tyrosine kinase inhibitor and GPR35 agonist with an IC50 value of 0.94 μM for GPR35 and an EC50 value of 5.3 μM for GPR35.
Targets(IC50)	EGFR,GPCR
In vitro	In the human epidermoid carcinoma cell line A431, Tyrphostin A25 inhibited the activity of epidermal growth factor receptor kinase with an IC50 value of 3 μM.[1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.9463 mL	24.7317 mL	49.4633 mL
5 mM	0.9893 mL	4.9463 mL	9.8927 mL
10 mM	0.4946 mL	2.4732 mL	4.9463 mL
50 mM	0.0989 mL	0.4946 mL	0.9893 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

Klemke RL, et al. Receptor tyrosine kinase signaling required for integrin alpha v beta 5-directed cell motility but not adhesion on vitronectin. J Cell Biol. 1994;127(3):859-866.

Deng H, et al. Tyrphostin analogs are GPR35 agonists. FEBS Lett. 2011;585(12):1957-1962.

Gazit A, et al. Tyrphostins I: synthesis and biological activity of protein tyrosine kinase inhibitors. J Med Chem. 1989;32(10):2344-2352.

Erlinge D, et al. Tyrphostin inhibition of ATP-stimulated DNA synthesis, cell proliferation and fos-protein expression in vascular smooth muscle cells. Br J Pharmacol. 1996;118(4):1028-1034.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481