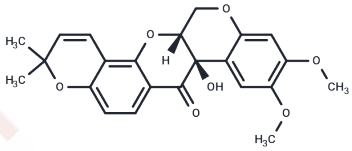
Data Sheet (Cat.No.T13126)

TargetMol

Tephrosin

Chemical Properties



CAS No. : 76-80-2

Formula: C23H22O7

Molecular Weight: 410.42

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	Tephrosin induces degradation of of EGFR and ErbB2 by inducing internalization of the receptors, has potent antitumor activities.
Targets(IC50)	EGFR,Others
In vitro	Tephrosin (0-10μM) inhibits both the ligand-induced and constitutive phosphorylation of EGFR, ErbB2 and ErbB3, and concomitantly suppresses the activation of the downstream signaling molecules such as Akt and Erk1/2 mitogen-activated protein kinase (MAPK) in HT-29 cells.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4365 mL	12.1826 mL	24.3653 mL
5 mM	0.4873 mL	2.4365 mL	4.8731 mL
10 mM	0.2437 mL	1.2183 mL	2.4365 mL
50 mM	0.0487 mL	0.2437 mL	0.4873 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

Choi S, et al. Tephrosin induces internalization and degradation of EGFR and ErbB2 in HT-29 human colon cancer cells. Cancer Lett. 2010 Jul 1;293(1):23-30.

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