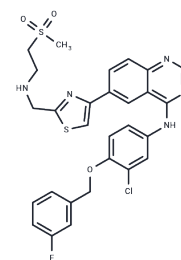


GW 583340

Chemical Properties

CAS No. : 388082-81-3
 Formula: C₂₈H₂₅ClFN₅O₃S₂
 Molecular Weight: 598.11
 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	GW 583340 is a potent and selective dual inhibitor of EGFR/ErbB2 tyrosine kinase with the advantage of oral dosability and antitumor effects.
Targets(IC50)	EGFR
In vitro	Methods: Intracellular accumulation of [3H]-MX, a known substrate of ABCG2, was measured in cells overexpressing ABCG2 in the presence or absence of 5 μM GW 583340. Results: GW 583340 and GW2974 significantly increased the intracellular levels of [3H]-MX in cells overexpressing ABCG2.[2]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6719 mL	8.3597 mL	16.7193 mL
5 mM	0.3344 mL	1.6719 mL	3.3439 mL
10 mM	0.1672 mL	0.836 mL	1.6719 mL
50 mM	0.0334 mL	0.1672 mL	0.3344 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

- Aird KM, et al. ErbB1/2 tyrosine kinase inhibitor mediates oxidative stress-induced apoptosis in inflammatory breast cancer cells. *Breast Cancer Res Treat.* 2012 Feb;132(1):109-19.
- Sodani K, et al. GW583340 and GW2974, human EGFR and HER-2 inhibitors, reverse ABCG2- and ABCB1-mediated drug resistance. *Biochem Pharmacol.* 2012 Jun 15;83(12):1613-22.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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