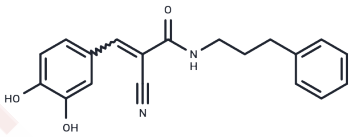
Data Sheet (Cat.No.T4326)

TargetMol

AG 555

Chemical Properties



CAS No. : 133550-34-2

Formula: C19H18N2O3

Molecular Weight: 322.36

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	AG 555 (Tyrphostin B46) is an EGFR tyrosine kinase inhibitor.
Targets(IC50)	EGFR,Reverse Transcriptase
In vitro	Cell incubation in the presence of 30 μM AG 555 results in a selective down-regulation of the most abundant viral transcripts already 4 h after drug application. AG55 inhibits the growth of HPV16-immortalized cells. AG555 is already effective at 10 μM (IC50=6.4, respectively), and the cells remain arrested after withdrawal of the compound on day 5 as monitored on days 8 and 12.

Solubility Information

Solubility	DMSO: 40 mg/mL (124.08 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1021 mL	15.5106 mL	31.0212 mL
5 mM	0.6204 mL	3.1021 mL	6.2042 mL
10 mM	0.3102 mL	1.5511 mL	3.1021 mL
50 mM	0.062 mL	0.3102 mL	0.6204 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.

Reference

Michaelis M, et al. Cisplatin-resistant neuroblastoma cells express enhanced levels of epidermal growth factor receptor (EGFR) and are sensitive to treatment with EGFR-specific toxins. Clin Cancer Res. 2008 Oct 15;14(20):6531-7.

Baars S, et al. Tyrphostin AG 555 inhibits bovine papillomavirus transcription by changing the ratio between E2 transactivator/repressor function. J Biol Chem. 2003 Sep 26;278(39):37306-13.

Ben-Bassat H, et al. Tyrphostins that suppress the growth of human papilloma virus 16-immortalized human keratinocytes. J Pharmacol Exp Ther. 1999 Sep;290(3):1442-57.

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