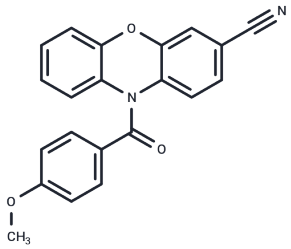
Data Sheet (Cat.No.T13226)

TargetMol

Tubulin inhibitor 8

Chemical Properties



CAS No. : 1309925-39-0

Formula: C21H14N2O3

Molecular Weight: 342.35

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	Tubulin inhibitor 8 is an inhibitor of tubulin and various cancer cell lines and inhibits tubulin polymerisation and K562 cell growth with an IC50 of 0.73 μM and 14 nM respectively.
Targets(IC50)	Microtubule Associated
In vitro	Tubulin inhibitor 8 shows excellent antiproliferative potencies with IC50s of 15, 6, 8, 2, 8, 6, and 9 nM for NCIH460, SKOV3, BT549, 451LU, SW480, COLO-205, and DLD-1 tumor cell lines, respectively.[1]

Solubility Information

Solubility	DMSO: 3.43 mg/mL (10.02 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.921 mL	14.6049 mL	29.2099 mL
5 mM	0.5842 mL	2.921 mL	5.842 mL
10 mM	0.2921 mL	1.4605 mL	2.921 mL
50 mM	0.0584 mL	0.2921 mL	0.5842 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

Prinz H, et al. N-benzoylated phenoxazines and phenothiazines: synthesis, antiproliferative activity, and inhibition of tubulin polymerization. J Med Chem. 2011 Jun 23 ; 54(12):4247-4263.

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