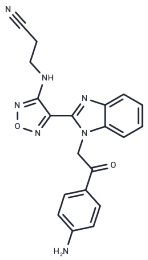
Data Sheet (Cat.No.T21317)

TargetMol

Avanbulin

Chemical Properties



CAS No. : 798577-91-0

Formula: C20H17N7O2

Molecular Weight: 387.39

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	Avanbulin is a potent inhibitor of tubulin polymerization with antitumor activity. It elicits a unique microtubule (MT) phenotype, distinct from colchicine, paclitaxel, and vinblastine has broad in vitro anti-proliferative activity against a diverse range of human tumor lines at low nM IC50s.
Targets(IC50)	Others,Microtubule Associated

Solubility Information

Solubility	DMSO: Soluble, H2O: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5814 mL	12.9069 mL	25.8138 mL
5 mM	0.5163 mL	2.5814 mL	5.1628 mL
10 mM	0.2581 mL	1.2907 mL	2.5814 mL
50 mM	0.0516 mL	0.2581 mL	0.5163 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

Prota AE, Danel F, Bachmann F, Bargsten K, Buey RM, Pohlmann J, Reinelt S, Lane H, Steinmetz MO. The novel microtubule-destabilizing drug BAL27862 binds to the colchicine site of tubulin with distinct effects on microtubule organization. J Mol Biol. 2014 Apr 17;426(8):1848-60. doi: 10.1016/j.jmb.2014.02.005. Epub 2014 Feb 11. PubMed PMID: 24530796.

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