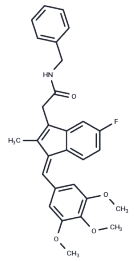
Data Sheet (Cat.No.T13807)

TargetMol

OSIP-486823

Chemical Properties



CAS No. : 200803-37-8

Formula: C29H28FNO4

Molecular Weight: 473.54

Storage: Store at low temperature
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	OSIP-486823(CP248) is a novel and potent microtubule disruptor with affinity for both protein kinase G (PKG) and microtubules.
Targets(IC50)	Microtubule Associated,PKA
In vitro	In SW480 human colon cancer cells, OSIP-486823 inhibits growth and induces apoptosis with an IC50 of 0.1 μM. OSIP-486823, a member of a new class of drugs known as selective apoptotic antineoplastic drugs targeting cyclic guanosine 3′,5′-monophosphate phosphodiesterases (cGMP-PDE), causes depolymerization of microtubules in interphase cells, inhibits spindle formation in mitotic cells, and induces multinucleated cells. Furthermore, OSIP-486823 disrupts microtubule polymerization, perturbs mitotic spindle function, and arrests cells in mitosis in human glioma cells [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1118 mL	10.5588 mL	21.1175 mL
5 mM	0.4224 mL	2.1118 mL	4.2235 mL
10 mM	0.2112 mL	1.0559 mL	2.1118 mL
50 mM	0.0422 mL	0.2112 mL	0.4224 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

Xiao D, et al. The sulindac derivatives OSI-461, OSIP486823, and OSIP487703 arrest colon cancer cells in mitosis by causing microtubule depolymerization. Mol Cancer Ther. 2006 Jan;5(1):60-7.

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