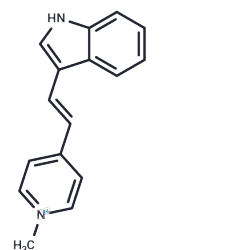


F16

Chemical Properties

CAS No. : 36098-33-6
Formula: C₁₆H₁₅IN₂
Molecular Weight: 362.21
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	F16 ((E)-4-(3-indolylvinyl)-N-methylpyridinium iodide) inhibits the growth of neu-overexpressing cells and the proliferation of mammary epithelial.
Targets(IC50)	Others
In vitro	F16 arrests the cell cycle and increases apoptosis in F16-sensitive EpH4-A6 cells. F16 (3 μM) influences growth in human and mice cancer cell lines[1]. F16 shows mitochondriotoxic property and triggers apoptosis or necrosis depending on the genetic background of the target carcinoma cell[2].

Solubility Information

Solubility	DMSO: 40 mg/mL (82.8 mM), Ethanol: 1 mg/mL (2.76 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7608 mL	13.8041 mL	27.6083 mL
5 mM	0.5522 mL	2.7608 mL	5.5217 mL
10 mM	0.2761 mL	1.3804 mL	2.7608 mL
50 mM	0.0552 mL	0.2761 mL	0.5522 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

Fantin VR, et al. A novel mitochondriotoxic small molecule that selectively inhibits tumor cell growth. Cancer Cell. 2002 Jul;2(1):29-42.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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