

DJ4

Chemical Properties

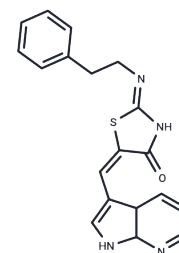
CAS No. :

Formula: C₁₉H₁₈N₄O₅

Molecular Weight: 350.44

Appearance: no data available

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



Biological Description

Description	DJ4 induces a dose-dependent pro-apoptotic effect in the micromolar range.
Targets(IC50)	Apoptosis
In vitro	In cellular functional assays, DJ4 inhibited migration of human melanoma, lung, pancreatic and breast cancer cells in a concentration-dependent manner. In live cell imaging over 20h by time-lapse microscopy, DJ4 (2.5 pM) reduced the migration rate of lung-and breast-cancer cells by 2.7 and 5.5 times compared to control cells respectively, DJ4 (5 pM) also inhibited invasion of MDA-MB-231 breast cancer cells by ~70%. Fluorescent microscopic observation also revealed that inhibition of activity of these kinases, by DJ4, causes reduction in stress fibers which leads to inhibition of cell contractility and migration.[1]

Solubility Information

Solubility	DMSO: 5.63 mg/mL (16.05 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8536 mL	14.2678 mL	28.5356 mL
5 mM	0.5707 mL	2.8536 mL	5.7071 mL
10 mM	0.2854 mL	1.4268 mL	2.8536 mL
50 mM	0.0571 mL	0.2854 mL	0.5707 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481