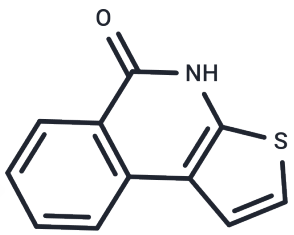
Data Sheet (Cat.No.T50098)

TargetMol

TIQ-A

Chemical Properties



CAS No. : 420849-22-5

Formula: C11H7NOS

Molecular Weight: 201.24

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	TIQ-A is a PARP1 inhibitor which involved in DNA single-strand break repair via the base excision repair pathway. PARP1 is triggered by DNA damage and its excessive activation has been proposed as a causative factor in many pathological conditions including ischemia and reperfusion injury, asthma-related inflammation, and atherogenesis.
Targets(IC50)	PARP

Solubility Information

Solubility	DMSO: 55 mg/mL (273.31 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.9692 mL	24.846 mL	49.6919 mL
5 mM	0.9938 mL	4.9692 mL	9.9384 mL
10 mM	0.4969 mL	2.4846 mL	4.9692 mL
50 mM	0.0994 mL	0.4969 mL	0.9938 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

Chiarugi A, et al. Novel isoquinolinone-derived inhibitors of poly(ADP-ribose) polymerase-1: pharmacological characterization and neuroprotective effects in an in vitro model of cerebral ischemia. J Pharmacol Exp Ther. 2003 Jun;305(3):943-9.

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