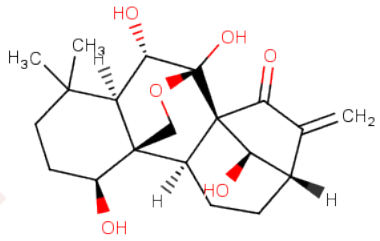
Data Sheet (Cat.No.T2790)

TargetMol®
A DRUG SCREENING EXPERT

Oridonin

Chemical Properties



CAS No. : 28957-04-2

Formula: C20H28O6

Molecular Weight: 364.44

Appearance: no data available

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

Biological Description

Description	Oridonin (NSC-250682) is a diterpenoid isolated from Rabdosia rubescens with anti-tumor, anti-bacterial and anti-inflammatory effects. It acts as an inhibitor of AKT, with IC50s of 8.4 and 8.9 μM for AKT1 and AKT2.
Targets(IC50)	Akt,Antibacterial
In vivo	LD50: Mice 35-40 mg/kg. [4]

Solubility Information

Solubility	H2O: <1 mg/mL, Ethanol: 28 mg/mL (76.83 mM), DMSO: 72 mg/mL (197.57 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7439 mL	13.7197 mL	27.4394 mL
5 mM	0.5488 mL	2.7439 mL	5.4879 mL
10 mM	0.2744 mL	1.372 mL	2.7439 mL
50 mM	0.0549 mL	0.2744 mL	0.5488 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

Li L, Song J, Zhang M, et al. Oridonin ameliorates caspase-9-mediated brain neuronal apoptosis in mouse with ischemic stroke by inhibiting RIPK3-mediated mitophagy. Acta Pharmacologica Sinica. 2022: 1-15.

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