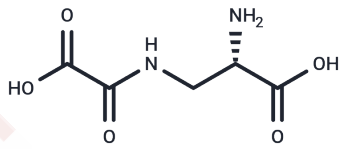
Data Sheet (Cat.No.TL0001)

TargetMol

dencichine

Chemical Properties



CAS No. :	5302-45-4
Formula:	C5H8N2O5
Molecular Weight:	176.13
Appearance:	no data available
Storage:	keep away from moisture,keep away from direct sunlight Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Dencichine (ODAP) is a neurotoxic agent. Dencichine is a haemostatic agent, the hemostatic effect relates to modulation of the coagulation system, platelet aggregation and fibrinolytic system. It has renoprotective effect, it could significantly prevent the progression of diabetic nephropathy possibly attribute to down-regulation of the TGF-β/Smad pathway and rebalance the deposition and degradation of ECM proteins.
Targets(IC50)	HIF/HIF Prolyl-Hydroxylase

Solubility Information

Solubility	DMSO: Slightly soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.6776 mL	28.3881 mL	56.7762 mL
5 mM	1.1355 mL	5.6776 mL	11.3552 mL
10 mM	0.5678 mL	2.8388 mL	5.6776 mL
50 mM	0.1136 mL	0.5678 mL	1.1355 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

Xie G X, et al. Analysis of dencichine in Panax notoginseng by gas chromatography-mass spectrometry with ethyl chloroformate derivatization[J]. Journal of Pharmaceutical & Biomedical Analysis, 2007, 43(3):920-925.
Li J, et al. Dencichine ameliorates kidney injury in induced type II diabetic nephropathy via the TGF-β/Smad signalling pathway[J]. European Journal of Pharmacology, 2017, 812:196.

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