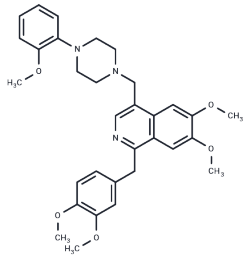
Data Sheet (Cat.No.T68064)

TargetMol

Elziverine

Chemical Properties



CAS No. : 95520-81-3

Formula: C32H37N3O5

Molecular Weight: 543.65

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	Elziverine is an orally available small molecule calmodulin antagonist.Elziverine in vitro treatment inhibited Ca-loading-induced acanthocyte formation in SHRSP, WKY, and Wistar rats in a concentration-dependent manner.Elziverine can be used for the treatment of neurological disorders, and may be used for the study of cognitive disorders.
Targets(IC50)	CaMK

Solubility Information

Solubility	DMSO: 60 mg/mL (110.37 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8394 mL	9.1971 mL	18.3942 mL
5 mM	0.3679 mL	1.8394 mL	3.6788 mL
10 mM	0.1839 mL	0.9197 mL	1.8394 mL
50 mM	0.0368 mL	0.1839 mL	0.3679 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

Izu M, et al. Investigation of hepatic energy metabolism in normothermic hepatic ischemia-the effect of calmodulin antagonist on normal and cirrhotic rat liver. 1991.

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