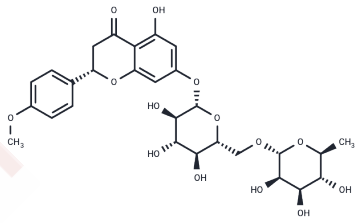
Data Sheet (Cat.No.T3787)

TargetMol

Didymin

Chemical Properties



CAS No. : 14259-47-3

Formula: C28H34O14

Molecular Weight: 594.56

Appearance: no data available

Storage: keep away from direct sunlight,store at low temperature
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Didymin (Neoponcirin) has antioxidant property. Didymin induces apoptosis by inhibiting N-Myc and upregulating RKIP in neuroblastoma, may used for neuroblastoma therapy. Didymin may be a potential therapeutic molecule for the treatment of neurodegenerative disorders associated with oxidative stress.
Targets(IC50)	Apoptosis

Solubility Information

Solubility	DMSO: 55 mg/mL (92.51 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6819 mL	8.4096 mL	16.8192 mL
5 mM	0.3364 mL	1.6819 mL	3.3638 mL
10 mM	0.1682 mL	0.841 mL	1.6819 mL
50 mM	0.0336 mL	0.1682 mL	0.3364 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

Morelli S, et al. Neuroprotective effect of didymin on hydrogen peroxide-induced injury in the neuronal membrane system. Cells Tissues Organs. 2014;199(2-3):184-200.

Xiao Y Z, Yang M, Xiao Y, et al. Reducing Hypothalamic Stem Cell Senescence Protects against Aging-Associated Physiological Decline. Cell Metabolism. 2020-31(3) 534-548

Xiao Y Z, Yang M, Xiao Y, et al. Reducing Hypothalamic Stem Cell Senescence Protects against Aging-Associated Physiological Decline[J]. Cell Metabolism. 2020

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