

Oroxin B

Chemical Properties

CAS No. : 114482-86-9

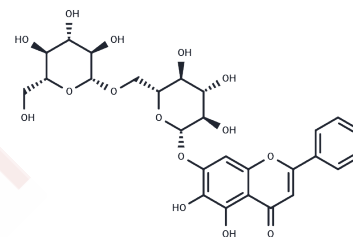
Formula: C₂₇H₃₀O₁₅

Molecular Weight: 594.52

Store at low temperature

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	Oroxin B has antioxidant activity.
Targets(IC50)	Apoptosis,PTEN,Antioxidant,Autophagy,PI3K

Solubility Information

Solubility	DMSO: 55 mg/mL (92.51 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.36 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.682 mL	8.4101 mL	16.8203 mL
5 mM	0.3364 mL	1.682 mL	3.3641 mL
10 mM	0.1682 mL	0.841 mL	1.682 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.

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

Li DQ, et al. Discovery of xanthine oxidase inhibitors from a complex mixture using an online, restricted-access material coupled with column-switching liquid chromatography with a diode-array detection system. *Anal Bioanal Chem.* 2014 Mar;406(7):1975-84.

Huang R, Li S, Tian C, et al. Thermal stress involved in TRPV2 promotes tumorigenesis through the pathway of PI3K/Akt/mTOR in esophageal squamous cell carcinoma. *British journal of cancer.* 2022 Nov;127(8):1424-1439.

Huang R, Li S, Tian C, et al. Thermal stress involved in TRPV2 promotes tumorigenesis through the pathways of HSP70/27 and PI3K/Akt/mTOR in esophageal squamous cell carcinoma. *British Journal of Cancer.* 2022: 1-16.

Qiu J1, et al. Molecular modeling reveals the novel inhibition mechanism and binding mode of three natural compounds to staphylococcal α -hemolysin. *PLoS One.* 2013 Nov 27;8(11):e820197.

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Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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