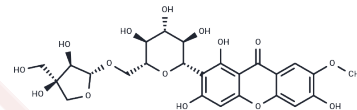


polygalaxanthone III

Chemical Properties

CAS No. :	162857-78-5
Formula:	C ₂₅ H ₂₈ O ₁₅
Molecular Weight:	568.48
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	Polygalaxanthone III can significantly inhibit chlorzoxazone 6-hydroxylation catalyzed by CYP2E1.
Targets(IC50)	Cytochromes P450

Solubility Information

Solubility	DMSO: 60 mg/mL (105.54 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 (3.52 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	1.7591 mL	8.7954 mL	17.5908 mL
5 mM	0.3518 mL	1.7591 mL	3.5182 mL
10 mM	0.1759 mL	0.8795 mL	1.7591 mL
50 mM	0.0352 mL	0.1759 mL	0.3518 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

Lv C, et al. J Sep Sci. 2014 May;37(9-10):1103-10.

Lv C, et al. J Mass Spectrom. 2013 Aug;48(8):904-13.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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