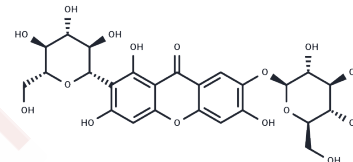


Neomangiferin

Chemical Properties

CAS No. :	64809-67-2
Formula:	C ₂₅ H ₂₈ O ₁₆
Molecular Weight:	584.48
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Neomangiferin (Mangiferin 7-glucoside) has beneficial effects on high fat diet-induced nonalcoholic fatty liver disease in rats. Neomangiferin and mangiferin inhibit tartrate-resistant acid phosphatase, a biochemical marker of osteoclast function and bone resorption.
Targets(IC50)	Phosphatase

Solubility Information

Solubility	DMSO: 60 mg/mL (102.66 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7109 mL	8.5546 mL	17.1092 mL
5 mM	0.3422 mL	1.7109 mL	3.4218 mL
10 mM	0.1711 mL	0.8555 mL	1.7109 mL
50 mM	0.0342 mL	0.1711 mL	0.3422 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

- Zhou C, et al. Beneficial effects of neomangiferin on high fat diet-induced nonalcoholic fatty liver disease in rats. *Int Immunopharmacol.* 2015 Mar;25(1):218-28.
- Xu L, et al. Preparative isolation of neomangiferin and mangiferin from *Rhizoma anemarrhenae* by high-speed countercurrent chromatography using ionic liquids as a two-phase solvent system modifier. *J Sep Sci.* 2010 Jan;33(1):31-6.

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