

Escin IIB

Chemical Properties

CAS No. : 158800-83-0

Formula: C54H84O23

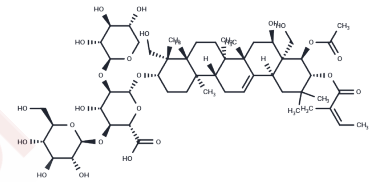
Molecular Weight: 1101.24

Storage:

Keep away from direct sunlight, Keep away from moisture, Store under nitrogen

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	Escin IIB, a natural saponin compound isolated from the seeds of horse chestnut (<i>Aesculus hippocastanum</i> L.), exhibits biologically positive effects on acute inflammation in animal models. Escin IIB has also demonstrated strong gastroprotective properties by significantly reducing ethanol-induced gastric mucosal lesions, highlighting its potential application in the study of anti-inflammatory mechanisms and gastric mucosal defense pathways in preclinical research.
Targets(IC50)	Immunology/Inflammation related
In vivo	Escin IIB (10-50 mg/kg, p.o.) can effectively inhibit ethanol-induced gastric mucosal injury in rats. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9081 mL	4.5403 mL	9.0807 mL
5 mM	0.1816 mL	0.9081 mL	1.8161 mL
10 mM	0.0908 mL	0.454 mL	0.9081 mL
50 mM	0.0182 mL	0.0908 mL	0.1816 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

Matsuda H, et al. Gastroprotections of escins Ia, Ib, IIa, and IIb on ethanol-induced gastric mucosal lesions in rats. Eur J Pharmacol. 1999;373(1):63-70.

Matsuda H, et al. Effects of escins Ia, Ib, IIa, and IIb from horse chestnut, the seeds of Aesculus hippocastanum L., on acute inflammation in animals. Biol Pharm Bull. 1997;20(10):1092-1095.

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