

Hederagenin 28-O-beta-D-glucopyranosyl ester

Chemical Properties

CAS No. : 53931-25-2

Formula: C₃₆H₅₈O₉

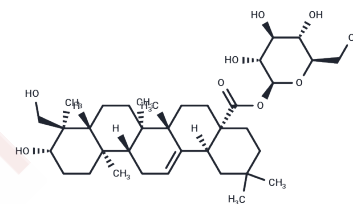
Molecular Weight: 634.84

Storage:

Store at low temperature, Keep away from direct sunlight

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	Hederagenin-28-beta-D-glucopyranoside, a triterpenoid saponin isolated from <i>Ilex cornuta</i> , protects against H ₂ O ₂ -induced damage in cardiomyocytes.
Targets(IC ₅₀)	Others

Solubility Information

Solubility	DMSO: 50 mg/mL (78.76 mM), Sonication is recommended. Pyridine, Methanol, etc.: Soluble, Ethanol: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5752 mL	7.876 mL	15.752 mL
5 mM	0.315 mL	1.5752 mL	3.1504 mL
10 mM	0.1575 mL	0.7876 mL	1.5752 mL
50 mM	0.0315 mL	0.1575 mL	0.315 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

Achnine, L., Huhman, D., Farag, M., Sumner, L., Blount, J., & Dixon, R. (2005). Genomics-based selection and functional characterization of triterpene glycosyltransferases from the model legume *Medicago truncatula*. *The Plant Journal*, 41(6), 875-887. doi: 10.1111/j.1365-313x.2005.02344.x

Quang, T., Ngan, N., Minh, C., Kiem, P., Nhiem, N., & Tai, B. et al. (2011). Anti-inflammatory Triterpenoid Saponins from the Stem Bark of *Kalopanax pictus*. *Journal Of Natural Products*, 74(9), 1908-1915. doi: 10.1021/np200382s

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