

Nordalbergin

Chemical Properties

CAS No. : 482-82-6

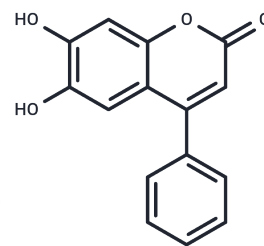
Formula: C₁₅H₁₀O₄

Molecular Weight: 254.24

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	Nordalbergin, a coumarin isolated from the bark of Dalbergia sissoo, significantly induces the differentiation of HL-60 cells.
Targets(IC50)	Others

Solubility Information

Solubility	Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, DMSO: 49 mg/mL (192.73 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	3.9333 mL	19.6665 mL	39.3329 mL
5 mM	0.7867 mL	3.9333 mL	7.8666 mL
10 mM	0.3933 mL	1.9666 mL	3.9333 mL
50 mM	0.0787 mL	0.3933 mL	0.7867 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

- Kato, A., Kobayashi, K., Narukawa, K., Minoshima, Y., Adachi, I., Hirono, S., & Nash, R. (2010). 6,7-Dihydroxy-4-phenylcoumarin as inhibitor of aldose reductase 2. *Bioorganic & Medicinal Chemistry Letters*, 20(19), 5630-5633. doi: 10.1016/j.bmcl.2010.08.038
- Asif, M., & Kumar, A. (2011). Phytochemical investigation and evaluation of antinociceptive activity of ethanolic extract of *Dalbergia sissoo* (Roxb.) bark. *Journal Of Natural Science, Biology And Medicine*, 2(1), 76. doi: 10.4103/0976-9668.82315

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