

Ambocin

Chemical Properties

CAS No. : 108044-05-9

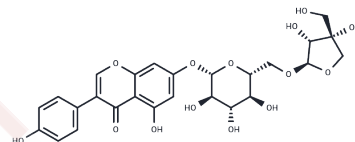
Formula: C₂₆H₂₈O₁₄

Molecular Weight: 564.49

Store at low temperature

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	Ambocin is a natural product from <i>Pueraria mirifica</i> . Ambocin blocks Ba ²⁺ currents through CaV1.2 channels (IBa1.2) in a concentration-dependent manner and increases IKCa1.1.
Targets(IC50)	Calcium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7715 mL	8.8576 mL	17.7151 mL
5 mM	0.3543 mL	1.7715 mL	3.543 mL
10 mM	0.1772 mL	0.8858 mL	1.7715 mL
50 mM	0.0354 mL	0.1772 mL	0.3543 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

Cuong NM, et al. Vietnamese *Dalbergia tonkinensis*: A Promising Source of Mono- and Bifunctional Vasodilators. *Molecules*. 2022 Jul 14;27(14):4505.

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