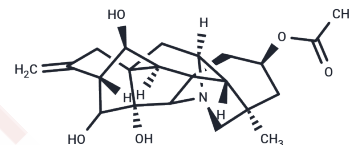


Guanfu base I

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 110225-59-7 |
| Formula: | C ₂₂ H ₂₉ N ₀ O ₅ |
| Molecular Weight: | 387.476 |
| 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 | Guanfu base I is an active metabolite of Guanfu base A, isolated from Aconitum coreanum. It have a potent anti-arrhythmic effect. |
| Targets(IC50) | Others |
| In vivo | The pharmacokinetics of Guanfu base I in Sprague-Dawley rats were examined, showing linearity in the 0.05-20 µg/mL concentration range with recovery exceeding 80%. Intraday and interday precision, as relative standard deviation, were generally good. Following intravenous injection, plasma Guanfu base I concentration declined bi-phasically with a terminal elimination half-life of 2.49 hours and a total plasma clearance of 1.46 L/h/kg. After oral dosing, the plasma concentration peaked within 0.5 hours, and the absolute bioavailability was 71.31%. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.5808 mL | 12.9039 mL | 25.8078 mL |
| 5 mM | 0.5162 mL | 2.5808 mL | 5.1616 mL |
| 10 mM | 0.2581 mL | 1.2904 mL | 2.5808 mL |
| 50 mM | 0.0516 mL | 0.2581 mL | 0.5162 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

Li X, et al. Pharmacokinetics of guanfu base I, an active metabolite of guanfu base A, in rats. Biol Pharm Bull. 2005 Aug;28(8):1363-5.

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