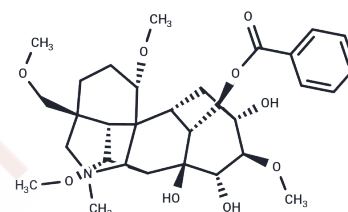


Benzoylhypaconine

Chemical Properties

CAS No. :	63238-66-4
Formula:	C ₃₁ H ₄₃ N ₉ O
Molecular Weight:	573.67
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	Benzoylhypaconine (Benzoylhypacoitine) might be the principal active components which affect mitochondrial growth by Fuzi and its processed products.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 10 mg/mL (17.43 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (1.74 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7432 mL	8.7158 mL	17.4316 mL
5 mM	0.3486 mL	1.7432 mL	3.4863 mL
10 mM	0.1743 mL	0.8716 mL	1.7432 mL
50 mM	0.0349 mL	0.1743 mL	0.3486 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

Liu X, et al. Comparative pharmacokinetics studies of benzoylhypaconine, benzoylmesaconine, benzoylaconine and hypaconitine in rats by LC-MS method after administration of Radix Aconiti Lateralis Praeparata extract and Dahuang Fuzi Decoction. Biomed Chromatogr. 2014 Jul;28(7):966-73.

Fangyan C , Xiaomei T , Feilong C . The effect of the active parts and components of Mahuangfuzixixin Decoction on RAW 264.7 cells[J]. pharmacology and clinics of chinese materia medica, 2013.

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