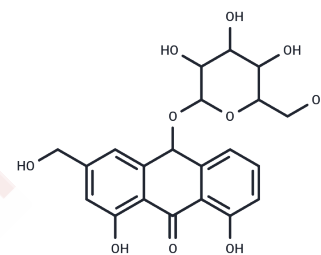


## Casanthranol

## Chemical Properties

CAS No. :	8024-48-4
Formula:	C <sub>21</sub> H <sub>22</sub> O <sub>10</sub>
Molecular Weight:	434.397
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	Casanthranol, a concentrated mixture of anthranol glycosides from the dried bark of Rhamnus p. (cascara sagrada), is a stimulant laxative used to alleviate constipation and other medical conditions by increasing muscle contractions in the intestinal wall to facilitate bowel movements.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 55.00 mg/mL (126.61 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: 2.00 mg/mL (4.60 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	2.302 mL	11.5101 mL	23.0203 mL
5 mM	0.4604 mL	2.302 mL	4.6041 mL
10 mM	0.2302 mL	1.151 mL	2.302 mL
50 mM	0.046 mL	0.2302 mL	0.4604 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

Borrelli F, et al. Life Sci. 2001 Sep 7;69(16):1871-7.

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