

Sennoside

Chemical Properties

CAS No. :	517-43-1
Formula:	C ₄₂ H ₃₈ O ₂₀
Molecular Weight:	862.75
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Sennoside is an orally active anthraquinone glycoside used as a stimulant laxative. It enhances gastrointestinal motility and secretion by activating 5-HT ₄ receptors in the myenteric plexus and inhibiting Na ⁺ /K ⁺ -ATPase activity. Sennoside is considered promising for research in chronic constipation.
Targets(IC50)	5-HT Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1591 mL	5.7954 mL	11.5908 mL
5 mM	0.2318 mL	1.1591 mL	2.3182 mL
10 mM	0.1159 mL	0.5795 mL	1.1591 mL
50 mM	0.0232 mL	0.1159 mL	0.2318 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.

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