Sennoside D

Cat. No.: HY-N1973

CAS No.: 37271-17-3

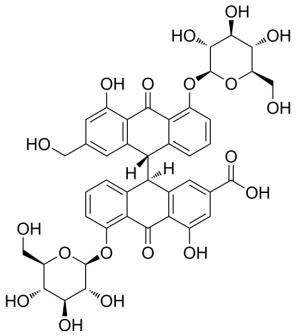
Molecular Formula: $C_{42}H_{40}O_{19}$

Molecular Weight: 848.76

Target: Others

Pathway: Others

Storage: 4°C, sealed storage, away from moisture and light
* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 50 mg/mL (58.91 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	1.1782 mL	5.8909 mL	11.7819 mL
5 mM	0.2356 mL	1.1782 mL	2.3564 mL
10 mM	0.1178 mL	0.5891 mL	1.1782 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 1.25 mg/mL (1.47 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 1.25 mg/mL (1.47 mM); Clear solution

BIOLOGICAL ACTIVITY

Description Sennoside D is an anthraquinone glycoside, found in leaves and pods of Senna (Cassia angustifolia)[1].

REFERENCES

[1]. Rama Reddy NR, et al. Next Generation Sequencing and Transcriptome Analysis Predicts Biosynthetic Pathway of Sennosides from Senna (Cassia angustifolia Vahl.), a Non-Model Plant with Potent Laxative Properties. PLoS One. 2015 Jun 22;10(6):e0129422.

Caution: Product has not been fully validated for medical applications. For research use only.

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