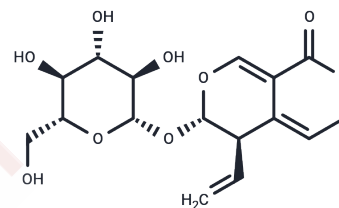


## Gentiopicroside

## Chemical Properties

CAS No. :	20831-76-9
Formula:	C <sub>16</sub> H <sub>20</sub> O <sub>9</sub>
Molecular Weight:	356.32
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Gentiopicroside (Gentiopicrin), a naturally occurring iridoid glycoside, extracted from <i>Gentiana manshurica</i> Kitag, inhibits P450 activity, with an IC <sub>50</sub> and a K <sub>i</sub> of 61 μM and 22.8 μM for CYP2A6; has anti-inflammatory and antioxidative effects.
Targets(IC <sub>50</sub> )	HCV Protease, Cytochromes P450

## Solubility Information

Solubility	DMSO: 45 mg/mL (126.29 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8065 mL	14.0323 mL	28.0647 mL
5 mM	0.5613 mL	2.8065 mL	5.6129 mL
10 mM	0.2806 mL	1.4032 mL	2.8065 mL
50 mM	0.0561 mL	0.2806 mL	0.5613 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.

## Reference

Zhang K, et al. Int J Nanomedicine. 2013;8:3227-39.

Kim K Y, Kang Y M, Lee A, et al. Hydroethanolic Extract of *Lepidium apetalum* Willdenow Alleviates Dextran Sulfate Sodium-Induced Colitis by Enhancing Intestinal Barrier Integrity and Inhibiting Oxidative Stress and Inflammasome Activation. Antioxidants. 2024, 13(7): 795.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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