

## Glyasperin F

## Chemical Properties

CAS No. : 145382-61-2

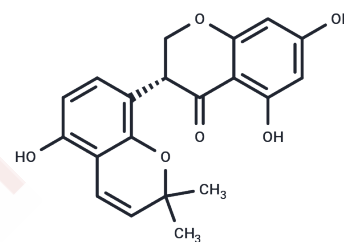
Formula: C<sub>20</sub>H<sub>18</sub>O<sub>6</sub>

Molecular Weight: 354.35

Storage: Keep away from direct sunlight, Keep away from moisture

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	Glyasperin F is a flavonoid natural product isolated from licorice (plants of the genus Glycyrrhiza) and belongs to the class of isoflavone derivatives. Glyasperin F exhibits antitumor activity.
Targets(IC50)	Others
In vitro	Methods: The human cancer cell line MCF-7 (breast cancer) and normal CRL2120 fibroblasts were treated with Glyasperin F at a concentration gradient (0.1–100 $\mu$ M) for 72 hours, and cell viability was assessed using the neutral red (NR) uptake assay. Results: Glyasperin F effectively inhibited the activity of MCF-7 (breast cancer) cells but had a minimal effect on normal CRL2120 fibroblasts. [1]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8221 mL	14.1103 mL	28.2207 mL
5 mM	0.5644 mL	2.8221 mL	5.6441 mL
10 mM	0.2822 mL	1.411 mL	2.8221 mL
50 mM	0.0564 mL	0.2822 mL	0.5644 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

Kuete V, et al. Cytotoxicity of seputhecarpan D, thonningiol and 12 other phytochemicals from African flora towards human carcinoma cells. BMC Complement Altern Med. 2018;18(1):36. Published 2018 Jan 30.

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