
Product Data Sheet

Product Name: Glychionide A

Cat. No.: GC69178

Chemical Properties

Cas. No. 119152-50-0

Formula C₂₁H₁₈O₁₁ M.Wt 446.36

Solubility Storage 4°C, protect from light

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

Background

Glychionide A is a flavonoid that can be found in the roots of *Glycyrrhiza glabra*.

Glychionide A promotes **cancer**^{[1][2]}.

Glychionide A (3.12-100 μM) significantly inhibits the proliferation of the PANC-1 pancreatic cancer cells, with an IC₅₀ of 14 μM^[1].

Glychionide A (7-28 μM) induces both autophagy and apoptosis in pancreatic cancer cells^[1].

Glychionide A (7-28 μM) causes G2/M arrest of PANC-1 pancreatic cancer cells^[1].

Glychionide A (7-28 μM) causes generation of ROS in PANC-1 cells^[1].

[1]. Li JR, et, al. Two new compounds from Glycyrrhiza glabra. J Asian Nat Prod Res. 2005 Aug;7(4):677-80.

[2]. Yu L, et, al. Antitumor Effects of Glychionide-A Flavonoid in Human Pancreatic Carcinoma Cells Are Mediated by Activation of Apoptotic and Autophagic Pathways, Cell Cycle Arrest, and Disruption of Mitochondrial Membrane Potential. Med Sci Monit. 2019 Feb

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

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