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Product Information

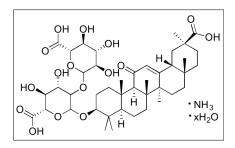
Product ID G4598

CAS No. 53956-04-0

Chemical Name (38,208)-20-Carboxy-11-oxo-30-norolean-2-en-3-yl 2-O-B-Dglucopyranuronosyl-a-D-glucopyranosiduronic acid

Synonym Glycyrrhizin, glycyrrhizinic acid, glycyrrhetinic acid glycoside

FormulaC42H62NO16 • xH2OFormula Wt.839.97Melting Point209-211°CPurity≥93%SolubilitySoluble in hot water or
ethanol.



Bulk quanitites available upon request

Product ID	Size
G4598	10 g
G4598	25 g

Store Temp Ambient

Ship Temp Ambient

Description Glycyrrhizin is a triterpene glycoside found in *Glycyrrhiza* that exhibits antiviral, anti-inflammatory, nephroprotective, neuroprotective, anticancer, chemopreventive, and antioxidative activities. Glycyrrhizin is commercially used as a flavorant and emulsifier. This compound inhibits 11B-hydroxysteroid dehydrogenase. Glycyrrhizin is occasionally clinically used to treat herpes virus infections, as it inhibits viral entry to host cells. Glycyrrhizin also inhibits renal ischemia/reperfusion injury in vivo by downregulating signaling of p38 MAPK and decreasing expression of IL-6, IL-1B, IFN-γ, and TNF-α. In vitro, glycyrrhizin decreases levels of ROS and malondialdehyde and increases levels of superoxide dismutase. In other in vitro models, glycyrrhizin prevents glial inflammation and kainic acid-induced neuronal death. This compound prevents the development of DMH-induced cancerous lesions in the colon, induces apoptosis and expression of p53, and decreases levels of inflammatory cytokines, COX-2, and VEGF; it also inhibits cellular proliferation and growth in prostate cancer cells.

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Caution: This product is intended for laboratory and research use only. It is not for human or drug use.