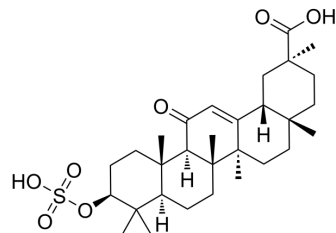


18β-Glycyrrhetyl-3-O-sulfate

Cat. No.:	HY-148682		
CAS No.:	10251-38-4		
Molecular Formula:	C ₃₀ H ₄₆ O ₇ S		
Molecular Weight:	550.75		
Target:	11β-HSD; Drug Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description

18β-Glycyrrhetyl-3-O-sulfate (Glycyrrhetic acid 3-O-(hydrogen sulfate)) is a potent type 2 11β-hydroxysteroid dehydrogenase (11β-HSD2) inhibitor with an IC₅₀ of 0.10 μM using rat kidney microsome. 18β-Glycyrrhetyl-3-O-sulfate is the major metabolite of Glycyrrhetic acid (GA). 18β-Glycyrrhetyl-3-O-sulfate is the substrate of organic anion transporter (OAT) 1 and OAT3. 18β-Glycyrrhetyl-3-O-sulfate has anti-inflammatory effects and has the potential for pseudohyperaldosteronism research^{[1][2]}.

REFERENCES

- [1]. Kan'ichiro Ishiuchi, et al. 18β-glycyrrhetyl-3-O-sulfate would be a causative agent of licorice-induced pseudoaldosteronism. *Sci Rep.* 2019 Feb 7;9(1):1587.
- [2]. Kan'ichiro Ishiuchi, et al. Identification of an Alternative Glycyrrhizin Metabolite Causing Licorice-Induced Pseudohyperaldosteronism and the Development of ELISA System to Detect the Predictive Biomarker.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA