18β-Glycyrrhetyl-3-O-sulfate-d_3

Cat. No.: HY-148682S2

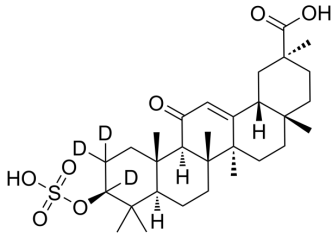
Molecular Formula: $C_{30}H_{43}D_3O_7S$

Molecular Weight: 553.77

Target: Isotope-Labeled Compounds

Pathway: Others

Storage: Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (180.58 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	1.8058 mL	9.0290 mL	18.0580 mL
	5 mM	0.3612 mL	1.8058 mL	3.6116 mL
	10 mM	0.1806 mL	0.9029 mL	1.8058 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

18β-Glycyrrhetyl-3-O-sulfate-d_3 is the deuterium labeled 18β-Glycyrrhetyl-3-O-sulfate (HY-148682)[1].

In Vitro

Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-229.

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

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