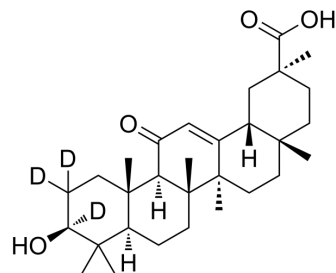


## 18β-Glycyrrhetic acid-d<sub>3</sub>

<b>Cat. No.:</b>	HY-N0180S		
<b>Molecular Formula:</b>	C <sub>30</sub> H <sub>43</sub> D <sub>3</sub> O <sub>4</sub>		
<b>Molecular Weight:</b>	473.7		
<b>Target:</b>	Endogenous Metabolite		
<b>Pathway:</b>	Metabolic Enzyme/Protease		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

<b>Description</b>	18β-Glycyrrhetic acid-d <sub>3</sub> is deuterium labeled 18β-Glycyrrhetic acid. 18β-Glycyrrhetic acid is the major bioactive component of Glycyrrhizae Radix and possesses anti-ulcerative, anti-inflammatory and antiproliferative properties.
<b>In Vitro</b>	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 <sup>[1]</sup> . 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;53(2):211-216.
- [2]. Huang RY, et al. 18β-Glycyrrhetic acid suppresses cell proliferation through inhibiting thromboxane synthase in non-small cell lung cancer. *PLoS One.* 2014 Apr 2;9(4):e93690.
- [3]. Yang G, et al. Protective Effect of 18β-Glycyrrhetic Acid against Triptolide-Induced Hepatotoxicity in Rats. *Evid Based Complement Alternat Med.* 2017;2017:3470320.
- [4]. Zhou J, et al. 18β-glycyrrhetic acid suppresses experimental autoimmune encephalomyelitis through inhibition of microglia activation and promotion of remyelination. *Sci Rep.* 2015 Sep 2;5:13713.

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

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