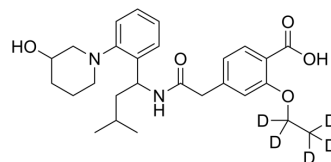


3'-Hydroxy Repaglinide-d5

Cat. No.:	HY-135335S		
CAS No.:	1352792-15-4		
Molecular Formula:	C ₂₇ H ₃₁ D ₅ N ₂ O ₅		
Molecular Weight:	473.62		
Target:	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



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (211.14 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.1114 mL	10.5570 mL	21.1140 mL
	5 mM	0.4223 mL	2.1114 mL	4.2228 mL
	10 mM	0.2111 mL	1.0557 mL	2.1114 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (5.28 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (5.28 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (5.28 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

3'-Hydroxy Repaglinide D5 is the deuterium labeled 3'-Hydroxy Repaglinide. 3'-Hydroxy Repaglinide is a main CYP2C8 metabolite of Repaglinide^[1].

REFERENCES

[1]. A liquid chromatography-tandem mass spectrometry analysis of nine cytochrome P450 probedrugs and their corresponding metabolites in human serum and urine. Anal Bioanal Chem. 2017 Jan;409(1):251-268.

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

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