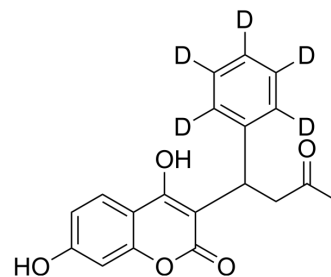


7-Hydroxywarfarin-d₅

Cat. No.:	HY-134938S
CAS No.:	94820-65-2
Molecular Formula:	C ₁₉ H ₁₁ D ₅ O ₅
Molecular Weight:	329.36
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (303.62 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.0362 mL	15.1810 mL	30.3619 mL
	5 mM	0.6072 mL	3.0362 mL	6.0724 mL
	10 mM	0.3036 mL	1.5181 mL	3.0362 mL

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

BIOLOGICAL ACTIVITY

Description

7-Hydroxywarfarin-d₅ is the deuterium labeled 7-Hydroxywarfarin[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;53(2):211-216.

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

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