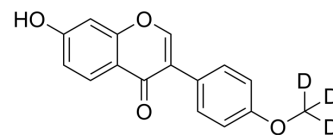


Formononetin-d₃-1

Cat. No.:	HY-N0183S4		
Molecular Formula:	C ₁₆ H ₉ D ₃ O ₄		
Molecular Weight:	271.28		
Target:	FGFR		
Pathway:	Protein Tyrosine Kinase/RTK		
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 (368.62 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.6862 mL	18.4311 mL	36.8623 mL
	5 mM		0.7372 mL	3.6862 mL	7.3725 mL
	10 mM		0.3686 mL	1.8431 mL	3.6862 mL

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

BIOLOGICAL ACTIVITY

Description

Formononetin-d₃-1 is the deuterium-labeled Formononetin (HY-N0183)^[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):211-216.

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

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