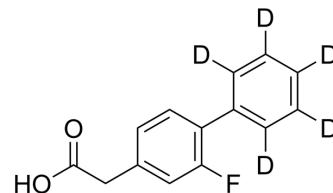


(2-Fluoro-4-biphenyl)acetic acid-d₅

Cat. No.:	HY-142907S		
CAS No.:	2733149-72-7		
Molecular Formula:	C ₁₄ H ₆ D ₅ FO ₂		
Molecular Weight:	235.27		
Target:	Isotope-Labeled Compounds		
Pathway:	Others		
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 (425.04 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	4.2504 mL	21.2522 mL	42.5044 mL
5 mM	0.8501 mL	4.2504 mL	8.5009 mL
10 mM	0.4250 mL	2.1252 mL	4.2504 mL

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

BIOLOGICAL ACTIVITY

Description

(2-Fluoro-4-biphenyl)acetic acid-d₅ is the deuterium labeled (2-Fluoro-4-biphenyl)acetic acid^[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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