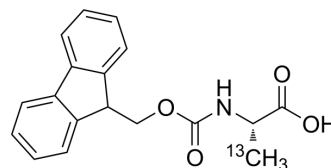


Fmoc-Ala-OH-3-¹³C

Cat. No.:	HY-W009204S3
CAS No.:	201489-21-6
Molecular Formula:	C ₁₇ ¹³ CH ₁₇ NO ₄
Molecular Weight:	312.32
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	4°C, stored under nitrogen, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (320.18 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		3.2018 mL	16.0092 mL	32.0184 mL
	5 mM		0.6404 mL	3.2018 mL	6.4037 mL
	10 mM		0.3202 mL	1.6009 mL	3.2018 mL

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

BIOLOGICAL ACTIVITY

Description

Fmoc-Ala-OH-3-¹³C is the ¹³C labeled Fmoc-Ala-OH[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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