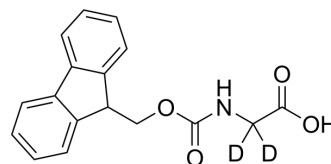


Fmoc-Gly-OH-2,2-d₂

Cat. No.:	HY-Y1250S2		
CAS No.:	284665-11-8		
Molecular Formula:	C ₁₇ H ₁₃ D ₂ NO ₄		
Molecular Weight:	299.32		
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 : ≥ 250 mg/mL (835.23 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Mass		1 mg	5 mg	10 mg
	Concentration				
	1 mM		3.3409 mL	16.7045 mL	33.4091 mL
	5 mM		0.6682 mL	3.3409 mL	6.6818 mL
	10 mM		0.3341 mL	1.6705 mL	3.3409 mL

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

BIOLOGICAL ACTIVITY

Description

Fmoc-Gly-OH-2,2-d₂ is the deuterium labeled Fmoc-Gly-OH-2,2[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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