N-Acetylglycine-d₅

Cat. No.:	HY-Y0069S					
CAS No.:	1219805-82-9					
Molecular Formula:	C ₄ H ₂ D ₅ NO ₃					
Molecular Weight:	122.13					
Target:	Endogenous Metabolite; Isotope-Labeled Compounds					
Pathway:	Metabolic Enzyme/Protease; Others					
Storage:	Powder	-20°C	3 years			
	In solvent	-80°C	6 months			
		-20°C	1 month			

SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (409.40 mM; Need ultrasonic)							
	Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg			
		1 mM	8.1880 mL	40.9400 mL	81.8800 mL			
		5 mM	1.6376 mL	8.1880 mL	16.3760 mL			
		10 mM	0.8188 mL	4.0940 mL	8.1880 mL			
	Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (20.47 mM); Clear solution							
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (20.47 mM); Clear solution							
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (20.47 mM); Clear solution							

Inhibitors • Screening Libraries • Proteins



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REFERENCES

[1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019;53(2):211-216.

[2]. Harper MS, et al. Toxicology studies with N-acetylglycine. Food Chem Toxicol. 2010 May;48(5):1321-7.

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

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