



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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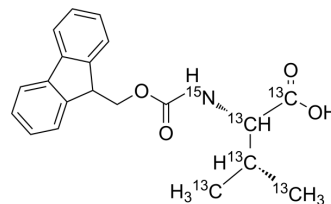
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Fmoc-L-Val-OH-¹³C₅,¹⁵N

Cat. No.:	HY-I1111S2
CAS No.:	1217442-94-8
Molecular Formula:	C ₁₅ ¹³ C ₅ H ₂₁ ¹⁵ N ₄ O ₄
Molecular Weight:	345.34
Target:	Cholinesterase (ChE); Parasite; Isotope-Labeled Compounds
Pathway:	Neuronal Signaling; Anti-infection; Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (723.92 mM; Need ultrasonic and warming)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	2.8957 mL	14.4785 mL	28.9570 mL	
5 mM	0.5791 mL	2.8957 mL	5.7914 mL	
10 mM	0.2896 mL	1.4478 mL	2.8957 mL	

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

BIOLOGICAL ACTIVITY

Description

Fmoc-L-Val-OH-¹³C₅,¹⁵N is a ¹⁵N-labeled and ¹³C-labeled Pirimicarb. Pirimicarb is a fast-acting selective carbamate insecticide on a wide range of crops including cereals, sugar beet, potatoes, fruits and vegetables. Pirimicarb is an AChE inhibitor and an

IC₅₀ & Target

Mite AChE

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^[75].
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):211-250.

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

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