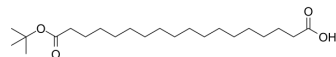


Boc-C16-COOH

Cat. No.:	HY-W045598		
CAS No.:	843666-40-0		
Molecular Formula:	C ₂₂ H ₄₂ O ₄		
Molecular Weight:	370.57		
Target:	ADC Linker; PROTAC Linkers		
Pathway:	Antibody-drug Conjugate/ADC Related; PROTAC		
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 (269.85 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.6985 mL	13.4927 mL	26.9855 mL
	5 mM	0.5397 mL	2.6985 mL	5.3971 mL
	10 mM	0.2699 mL	1.3493 mL	2.6985 mL

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

BIOLOGICAL ACTIVITY

Description	Boc-C16-COOH is a non-cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs). Boc-C16-COOH is also a alkyl chain-based PROTAC linker that can be used in the synthesis of PROTACs
IC₅₀ & Target	Non-cleavable Linker
In Vitro	ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker ^[1] . PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Beck A, et al. Strategies and challenges for the next generation of antibody-drug conjugates. Nat Rev Drug Discov. 2017;16(5):315-337.

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

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