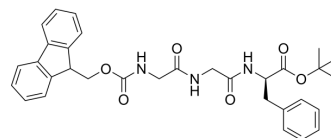


Fmoc-Gly-Gly-D-Phe-OtBu

Cat. No.:	HY-44234A
Molecular Formula:	C ₃₂ H ₃₅ N ₃ O ₆
Molecular Weight:	557.64
Target:	ADC Linker
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (179.33 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	
				5 mg	
				10 mg	
				10 mM	
			1 mg	5 mg	10 mg
	1 mM		1.7933 mL	8.9664 mL	17.9327 mL
	5 mM		0.3587 mL	1.7933 mL	3.5865 mL
	10 mM		0.1793 mL	0.8966 mL	1.7933 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 5 mg/mL (8.97 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Fmoc-Gly-Gly-D-Phe-OtBu is a cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs). Fmoc-Gly-Gly-D-Phe-OtBu is the R-isomer of Fmoc-Gly-Gly-Phe-OtBu (HY-44234) ^[1] .
IC ₅₀ & Target	Cleavable

REFERENCES

[1]. Bak A, et al. Synthesis and evaluation of the physicochemical properties of esterase-sensitive cyclic prodrugs of opioid peptides using an (acyloxy)alkoxy linker. J Pept Res. 1999 Apr;53(4):393-402.

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

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