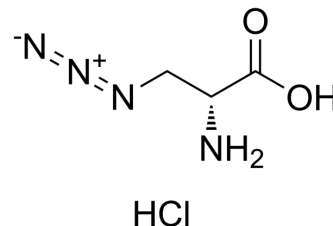


3-Azido-D-alanine hydrochloride

Cat. No.:	HY-151642A
Molecular Formula:	C ₃ H ₇ ClN ₄ O ₂
Molecular Weight:	166.57
Target:	ADC Linker
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (600.35 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	6.0035 mL	30.0174 mL	60.0348 mL
		5 mM	1.2007 mL	6.0035 mL	12.0070 mL
	10 mM	0.6003 mL	3.0017 mL	6.0035 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (12.49 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (12.49 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (12.49 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	3-Azido-D-alanine hydrochloride is an azido-modified D-alanine (HY-41700) hydrochloride. 3-Azido-D-alanine hydrochloride can be used in the research of click chemistry labeling ^[1] .
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REFERENCES

[1]. Zhang L, et al. Bacteria Wear ICG Clothes for Rapid Detection of Intracranial Infection in Patients After Neurosurgery and Photothermal Antibacterial Therapy Against Streptococcus Mutans. Front Bioeng Biotechnol. 2022 Jul 6;10:932915.

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

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