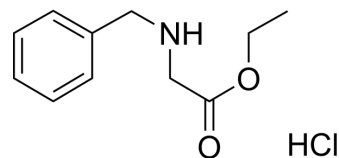


Ethyl 2-(benzylamino)acetate hydrochloride

Cat. No.:	HY-76448		
CAS No.:	6344-42-9		
Molecular Formula:	C ₁₁ H ₁₆ ClNO ₂		
Molecular Weight:	229.7		
Target:	Amino Acid Derivatives		
Pathway:	Others		
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 : 50 mg/mL (217.68 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	4.3535 mL	21.7675 mL	43.5350 mL
		5 mM	0.8707 mL	4.3535 mL	8.7070 mL
10 mM		0.4354 mL	2.1768 mL	4.3535 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (10.88 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Ethyl 2-(benzylamino)acetate hydrochloride is a Glycine (HY-Y0966) derivative ^[1] .
In Vitro	Amino acids and amino acid derivatives have been commercially used as ergogenic supplements. They influence the secretion of anabolic hormones, supply of fuel during exercise, mental performance during stress related tasks and prevent exercise induced muscle damage. They are recognized to be beneficial as ergogenic dietary substances ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Luckose F, et al. Effects of amino acid derivatives on physical, mental, and physiological activities. Crit Rev Food Sci Nutr. 2015;55(13):1793-1144.

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

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