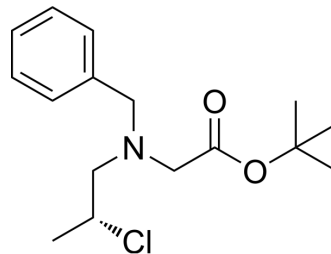


tert-Butyl (R)-N-benzyl-N-(2-chloropropyl)glycinate

Cat. No.:	HY-42994		
CAS No.:	888494-24-4		
Molecular Formula:	C ₁₆ H ₂₄ ClNO ₂		
Molecular Weight:	297.82		
Target:	Amino Acid Derivatives		
Pathway:	Others		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 122.5 mg/mL (411.32 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent		1 mg	5 mg	10 mg
	Concentration	Mass			
	1 mM		3.3577 mL	16.7887 mL	33.5773 mL
	5 mM		0.6715 mL	3.3577 mL	6.7155 mL
	10 mM		0.3358 mL	1.6789 mL	3.3577 mL

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

BIOLOGICAL ACTIVITY

Description

tert-Butyl (R)-N-benzyl-N-(2-chloropropyl)glycinate 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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