O-Methyl-D-valine hydrochloride

Cat. No.:	HY-79708A	\sim
CAS No.:	7146-15-8	
Molecular Formula:	C ₆ H ₁₄ CINO ₂	\downarrow
Molecular Weight:	167.63	$\sim 0^{\circ}$
Target:	Amino Acid Derivatives	$\bar{\bar{N}}H_2$
Pathway:	Others	11112
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)	H–Cl

SOLVENT & SOLUBILITY

In Vitro

$H_2O: \ge 100 \text{ mg/mL} (596.55 \text{ mM})$

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg
	1 mM	5.9655 mL	29.8276 mL	59.6552 mL
	5 mM	1.1931 mL	5.9655 mL	11.9310 mL
	10 mM	0.5966 mL	2.9828 mL	5.9655 mL

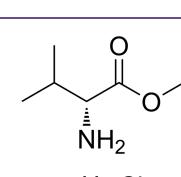
Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY		
Description	O-Methyl-D-valine (hydrochloride) is a valine 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.





Product Data Sheet

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

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