Product Data Sheet

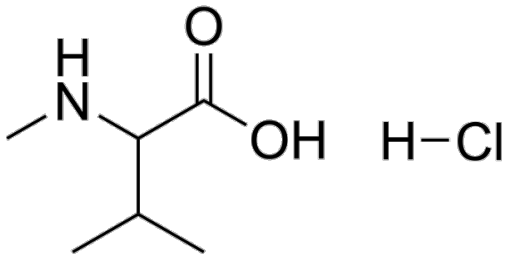
Product Name: N-Methyl-DL-valine hydrochloride
Cat. No.: GC74674

Chemical Properties

Cas. No.

Formula	$C_6H_{14}ClNO_2$	M.Wt	167.63
Solubility	DMSO : 125 mg/mL (745.69 mM; Need ultrasonic)	Storage	-20°C, sealed storage, away from moisture
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

N-Metl-DL-valine (N-Metlvaline) drochloride is a valine derivant, is metabolized to cysteine, alanine, tyrosine, tryptophan, citric acid, and succinic acid in the sprout. N-Metl-DL-valine drochloride involves in the modification of monometl auristatin F (MMAF), an anti-tubulin agent, makes it drophobic functionalization and increases cell permeability.

References:
[1]. M. Pasteels, et al. Uptake and metabolism of [14C]rinderine and [14C]retronecine in leaf-beetles

Caution: Product has not been fully validated for medical applications. For research use only.
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of the genus Platyphora and alkaloid accumulation in the exocrine defensive secretions. Chemoecology. 2003;13:55–62. [2]. Philip N Moquist, et al. Novel Auristatins with High Bystander and Cytotoxic Activities in Drug Efflux–positive Tumor Models. Mol Cancer Ther.2021;20(2): 320–328.