

## Product Data Sheet

Product Name: N-Methyl-DL-valine hydrochloride

Cat. No.: GC74674

### Chemical Properties

Cas. No.

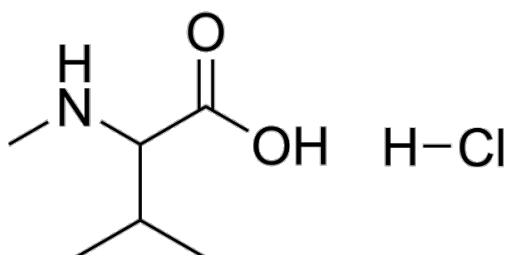
Formula  $C_6H_{14}ClNO_2$  M.Wt 167.63

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-Methyl-DL-valine (N-Methylvaline) hydrochloride is a valine derivative, is metabolized to cysteine, alanine, tyrosine, tryptophan, citric acid, and succinic acid in the sprout. N-Methyl-DL-valine hydrochloride involves in the modification of monomethyl auristatin F (MMAF), an anti-tubulin agent, makes it hydrophobic 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.

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