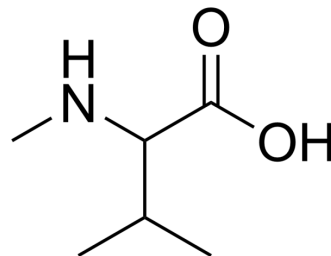


N-Methyl-DL-valine

Cat. No.:	HY-W142140
CAS No.:	2566-32-7
Molecular Formula:	C ₆ H ₁₃ NO ₂
Molecular Weight:	131.17
Target:	Amino Acid Derivatives
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

N-Methyl-DL-valine is a valine derivant, is metabolized to cysteine, alanine, tyrosine, tryptophan, citric acid, and succinic acid in the sprout. N-Methyl-DL-valine involves in the modification of monomethyl auristatin F (MMAF), an anti-tubulin agent, makes it hydrophobic functionalization and increases cell permeability^{[1][2]}.

REFERENCES

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

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

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