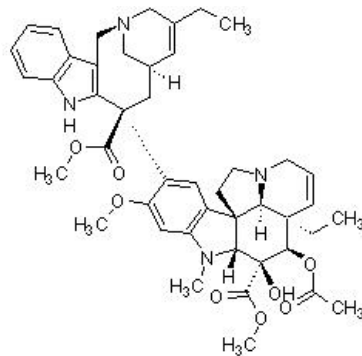


Product datasheet

Vinorelbine, cell proliferation inhibitor ab142668

Overview

Product name	Vinorelbine, cell proliferation inhibitor
Description	Potent and selective cell proliferation inhibitor
Biological description	Potent and selective cell proliferation inhibitor (IC ₅₀ = 1.25 nM). Vinca alkaloid. Suppresses rate and extent of mitotic microtubule growing events. Antimitotic and anticancer agent. Active <i>in vivo</i> and <i>in vitro</i> .
Purity	> 90%
CAS Number	71486-22-1
Chemical structure	



Properties

Chemical name	4-(Acetyloxy)-6,7-didehydro-15-((2 <i>R</i> ,6 <i>R</i> ,8 <i>S</i>)-4-ethyl-1,3,6,7,8,9-hexahydro-8-(methoxycarbonyl)-2,6-methano-2 <i>H</i> -azecino(4,3- <i>b</i>)indol-8-yl)-3-hydroxy-16-methoxy-1-methyl aspido-spermidine-3-carboxylic acid methyl ester
Molecular weight	778.93
Molecular formula	C ₄₅ H ₅₄ N ₄ O ₈
PubChem identifier	5672
Storage instructions	Store at +4°C. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 100 mM and in ethanol to 10 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room

temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

SMILES

CCC1=CC2CC(C3=C(CN(C2)C1)C4=CC=CC=C4N3)
(C5=C(C=C6C(=C5)C78CCN9C7C(C=CC9)(C(C(C8N6C)
(C(=O)OC)O)OC(=O)C)CC)OC)C(=O)OC

Source

Synthetic

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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