

Vinorelbine Tartrate

Cat. No. CEI-0562

Lot. No. (See product label)

Introduction

Description

A semi-synthetic vinca alkaloid that displays potent anti-mitotic and anti-tumor properties. Its main mechanism of action is thought to be inhibition of microtubule dynamics, which results in mitotic arrest and eventual cell death. Acts as a microtubule destabilizing agent. At high concentrations, it stimulates microtubule depolymerization and mitotic spindle destruction. At lower clinically relevant concentrations, vinorelbine blocks mitotic progression. Its main targets are tubulin and microtubules. Unlike the taxanes, which bind poorly to soluble tubulin, vinorelbine can bind both soluble and microtubule-associated tubulin.

Product Information

Appearance	White to off-white solid
CAS No.	125317-39-7
Molecular Formula	$C_{45}H_{54}N_4O_8 \cdot C_8H_{12}O_{12}$
Chemical Name	3',4'-Didehydro-4'-deoxy-C'-norvincaleukoblastine [R-(R*,R*)-2-3-dihydroxybutanedioate (1:2)salt], 5'-Noranhydrovinoblastine tartrate, KW-2307, NVB, Navelbine tartrate
Molecular Weight	326.35
Purity	>98% by HPLC
Targets	DNMTs
Solubility	DMSO (100 mM)

Storage and Shipping Information

Storage	-20 centigrade
Shipping Conditions	Gel Pack