

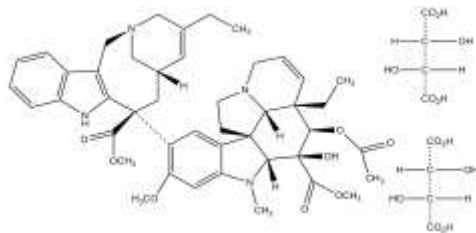
Vinorelbine Tartrate

ALTERNATE NAME: 3',4'-Didehydro-4'-deoxy-C'-norvincalcaleukoblastine [R-(R*,R*)-2-3-dihydroxybutanedioate (1:2)salt], 5'-Noranhydrovinoblastine tartrate, KW-2307, NVB, Navelbine tartrate

CATALOG #: 1957-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₄₅H₅₄N₄O₈·C₈H₁₂O₁₂

MOLECULAR WEIGHT: 1079.11

CAS NUMBER: 125317-39-7

APPEARANCE: Off-white solid

SOLUBILITY: Water (~ 10 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20 °C. Protect from light

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.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

- Betulinic Acid (**Cat. No. 1552-25**)
- Bexarotene (**Cat. No. 1575-5, 50**)
- Capecitabine (Cat. No. 1741-100, 1000)
- Carboplatin (**Cat. No. 1553-100**)
- Cisplatin (**Cat. No. 1550-100,1000**)
- Daunorubicin.HCl (**1524-10,50,500**)
- Doxorubicin HCl (**Cat. No. 1527-5**)
- (-)-Epigallocatechin gallate (**Cat. No. 1841-50**)
- Fludarabine Phosphate (**Cat. No. 1763-10, 50**)
- Gemcitabine Hydrochloride (**Cat. No. 1759-25, 100**)
- Genistein (**Cat. No. 1533-10**)
- Nedaplatin (**Cat. No. 1576-5**)
- Nitric Oxide Colorimetric Assay Kit (**Cat. No. K263-100**)
- Nitric Oxide Fluorometric Assay Kit (**Cat. No. K252-100**)
- Oxaliplatin (**Cat. No. 1577-25**)
- Piperlongumine (**Cat. No. 1919-10, 50**)
- Paclitaxel (**Cat. No. 1567-25**)
- Tamoxifen Citrate (**Cat. No. 1551-1000**)