

Vinblastine sulfate, Microtubule depolymerizer

Catalog	Unit
TBI2050-5MG	5 mg
TBI2050-25MG	25 mg

Product Details

Alternate Names: Vincal leukoblastine

Molecular Formula: C₄₆H₅₈N₄O₉ · H₂SO₄

Formula Weight: 909.08

CAS Number: 143-67-9

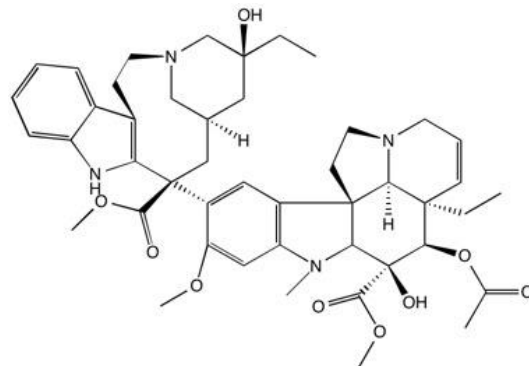
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml) or in Water (up to 50 mg/ml).

Storage: -20°C

Stability: ≥ 1 year.



Applications

Microtubule depolymerizer

Functions

Semisynthetic alkaloidal anticancer agent. Induces cell cycle arrest at G2/M phase by inhibiting mitotic spindle formation. Inhibits normal microtubule assembly and induces aberrant tubulin polymerization. Induces apoptosis in a variety of cell lines. Inhibits autophagosome maturation. Inhibits palmitoylation of tubulin.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Water (up to 50 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or distilled water may be stored at -20° for up to 1 month.

For research use only.