# Data Sheet (Cat.No.T3S0209)



## Vincristine

## **Chemical Properties**

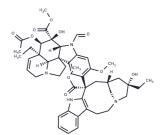
CAS No.: 57-22-7

Formula: C46H56N4O10

Molecular Weight: 824.96

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



# **Biological Description**

Description	Vincristine binds to tubulin and inhibits the formation of microtubules, thereby inhibiting mitosis of the cancer cell. Vincristine can be used as a microtubule-destabilizing agent for research on the treatment of hematologic cancers, such as leukemia and
Targets(IC50)	ERK,p38 MAPK,NF-κB,Akt,JNK,mTOR

## **Solubility Information**

DMSO: 12 mg/mL (14.55 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
, , , , , , , , , , , , , , , , , , , ,

### **Preparing Stock Solutions**

	1mg	5mg	10mg
1 mM	1.2122 mL	6.0609 mL	12.1218 mL
5 mM	0.2424 mL	1.2122 mL	2.4244 mL
10 mM	0.1212 mL	0.6061 mL	1.2122 mL
50 mM	0.0242 mL	0.1212 mL	0.2424 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

#### Reference

Beaver C, et al. Vincristine Minibag Administration: A Quality Improvement Project to Minimize Medical Errors. Clin J Oncol Nurs. 2018 Dec 1;22(6):669-672.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:36 Washington Street, Wellesley Hills, MA 02481

Page 1 of 1 www.targetmol.com