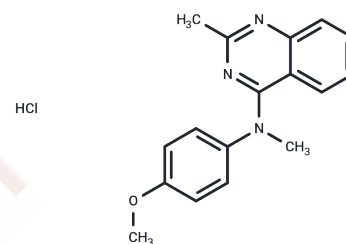


Verubulin hydrochloride

Chemical Properties

CAS No. :	917369-31-4
Formula:	C ₁₇ H ₁₈ ClN ₃ O
Molecular Weight:	315.8
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Verubulin hydrochloride (MPC-6827 hydrochloride) is a blood-brain barrier permeable microtubule-disrupting agent with potent and broad-spectrum cytotoxic activities and significant anticancer efficacy in human MX-1 breast cancer and various mouse xenograft cancer models.
Targets(IC50)	Microtubule Associated

Solubility Information

Solubility	DMSO: 22.5 mg/mL (71.25 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1666 mL	15.8328 mL	31.6656 mL
5 mM	0.6333 mL	3.1666 mL	6.3331 mL
10 mM	0.3167 mL	1.5833 mL	3.1666 mL
50 mM	0.0633 mL	0.3167 mL	0.6333 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

- Kasibhatla S, et al. MPC-6827: a small-molecule inhibitor of microtubule formation that is not a substrate for multidrug resistance pumps. *Cancer Res.* 2007 Jun 15;67(12):5865-71.
- Sirisoma N, et al. Discovery of N-(4-methoxyphenyl)-N,2-dimethylquinazolin-4-amine, a potent apoptosis inducer and efficacious anticancer agent with high blood brain barrier penetration. *J Med Chem.* 2009 Apr 23;52(8):2341-51.

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