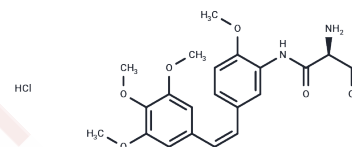


## Ombrabulin hydrochloride

### Chemical Properties

CAS No. :	253426-24-3
Formula:	C <sub>21</sub> H <sub>27</sub> ClN <sub>2</sub> O <sub>6</sub>
Molecular Weight:	438.9
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



### Biological Description

Description	Ombrabulin hydrochloride is a synthetic, selective CA-4 phosphate ester or derivative of Ombrabulin to disrupt the tubulin cytoskeleton of endothelial cells and has antivasular effects. Ombrabulin is a tubulin polymerizing inhibitor, a member of the combretastatin A-4 compound class, which is a water-soluble tubulin depolymerizing tumor vascularizing compound.
Targets(IC50)	Microtubule Associated

### Solubility Information

Solubility	H <sub>2</sub> O: 20 mg/mL (45.57 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	2.2784 mL	11.3921 mL	22.7842 mL
5 mM	0.4557 mL	2.2784 mL	4.5568 mL
10 mM	0.2278 mL	1.1392 mL	2.2784 mL
50 mM	0.0456 mL	0.2278 mL	0.4557 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

Kim TJ, et al. Antitumor and antivasular effects of AVE8062 in ovarian carcinoma. Cancer Res. 2007 Oct 1;67(19):9337-45.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481