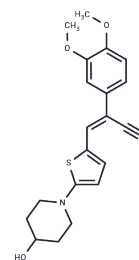


YHO-13177

## Chemical Properties

CAS No. : 912287-56-0  
Formula: C<sub>20</sub>H<sub>22</sub>N<sub>2</sub>O<sub>3</sub>S  
Molecular Weight: 370.47  
Appearance: no data available  
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## Biological Description

Description	YHO-13177 is a potent and specific inhibitor of BCRP, which enhances the cytotoxicity of SN-38 in cancer cells without affecting P-glycoprotein-mediated paclitaxel resistance in [MDR1]-transduced human leukemia [K562] cells.
Targets(IC50)	BCRP

## Solubility Information

Solubility	DMSO: 45 mg/mL (121.47 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	2.6993 mL	13.4964 mL	26.9927 mL
5 mM	0.5399 mL	2.6993 mL	5.3985 mL
10 mM	0.2699 mL	1.3496 mL	2.6993 mL
50 mM	0.054 mL	0.2699 mL	0.5399 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

Yamazaki R, et al. Novel acrylonitrile derivatives, YHO-13177 and YHO-13351, reverse BCRP/ABCG2-mediated drug resistance in vitro and in vivo. Mol Cancer Ther. 2011 Jul;10(7):1252-63.

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