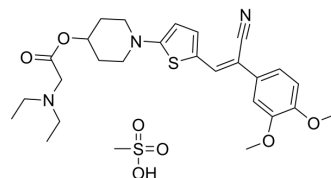


## YHO-13351

Cat. No.:	HY-12758
CAS No.:	1346753-00-1
Molecular Formula:	C <sub>27</sub> H <sub>37</sub> N <sub>3</sub> O <sub>7</sub> S <sub>2</sub>
Molecular Weight:	579.73
Target:	BCRP
Pathway:	Membrane Transporter/Ion Channel
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 30 mg/mL (51.75 mM; Need ultrasonic and warming)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.7249 mL	8.6247 mL	17.2494 mL
	5 mM	0.3450 mL	1.7249 mL	3.4499 mL
	10 mM	0.1725 mL	0.8625 mL	1.7249 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

YHO-13351 is the prodrug of YHO-13177, which is a potent and specific inhibitor of BCRP.

### REFERENCES

[1]. 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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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