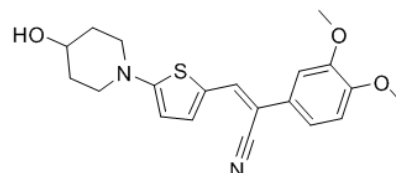


**Product Name** : YHO-13177  
**Cat. No.** : PC-43181  
**CAS No.** : 912287-56-0  
**Molecular Formula** : C<sub>20</sub>H<sub>22</sub>N<sub>2</sub>O<sub>3</sub>S  
**Molecular Weight** : 370.4653  
**Target** : BCRP  
**Solubility** : 10 mM in DMSO



### Biological Activity

YHO-13177 is a acrylonitrile derivative and active form of YHO-13351 that can specifically reverse **BCRP**/ABCG2-mediated drug resistance in vitro and in vivo.

YHO-13177 reverses BCRP-mediated acquired resistance to SN-38 in A549 cells without cytotoxicity.

YHO-13177 also shows no effect on P-glycoprotein-mediated paclitaxel resistance in MDR1-transduced human leukemia K562 cells and multidrug resistance-related protein 1-mediated doxorubicin resistance in MRP1-transfected human epidermoid cancer KB-3-1 cells.

### References

Yamazaki R, et al. *Mol Cancer Ther.* 2011 Jul;10(7):1252-63.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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