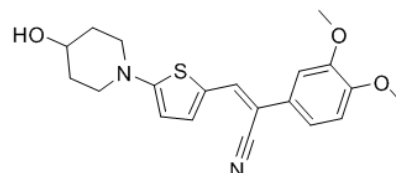


Product Name : YHO-13177
Cat. No. : PC-43181
CAS No. : 912287-56-0
Molecular Formula : C₂₀H₂₂N₂O₃S
Molecular Weight : 370.4653
Target : BCRP
Solubility : 10 mM in DMSO



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; reverses BCRP-mediated acquired resistance to SN-38 in A549 cells without cytotoxicity, 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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