

Product Datasheet

YHO-13177 (orb1223674)

Catalog Number	orb1223674
Category	Small Molecules
Description	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.
Target	BCRP
Purity	>98% (HPLC)
MW	370.4653
Target Areas	others
Solubility (25°C)	10 mM in DMSO
CAS Number	912287-56-0
Formula	C ₂₀ H ₂₂ N ₂ O ₃ S
SMILES	<chem>N#C/C(C1=CC=C(OC)C(OC)=C1)=C\C2=CC=C(N3CCC(O)CC3)S2</chem>
Chemical Name	Benzeneacetonitrile, α-[[5-(4-hydroxy-1-piperidiny1)-2-thienyl]methylene]-3,4-dimethoxy-, (αZ)-
Storage	Storage temperature: -20°C. Stability: ≥ 2 years
Note	For research use only

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Expiration Date 12 months from date of receipt.

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