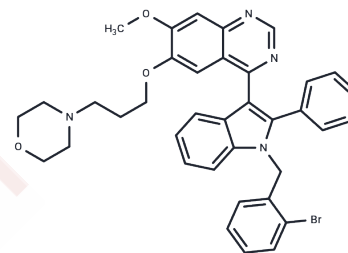


YS-370

Chemical Properties

CAS No. : 2470908-79-1
 Formula: C₃₇H₃₅BrN₄O₃
 Molecular Weight: 663.6
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	YS-370 is an orally active inhibitor of P-gp and shows moderate inhibition against CYP3A4. YS-370 effectively reverses multidrug resistance to paclitaxel and colchicine and exhibits stronger antitumor activity in combination with paclitaxel.
Targets(IC50)	P-gp

Solubility Information

Solubility	DMSO: 6 mg/mL (9.04 mM), Sonication and heating to 80°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5069 mL	7.5347 mL	15.0693 mL
5 mM	0.3014 mL	1.5069 mL	3.0139 mL
10 mM	0.1507 mL	0.7535 mL	1.5069 mL
50 mM	0.0301 mL	0.1507 mL	0.3014 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Yuan S, et al. Discovery of New 4-Indolyl Quinazoline Derivatives as Highly Potent and Orally Bioavailable P-Glycoprotein Inhibitors. J Med Chem. 2021;64(19):14895-14911.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481