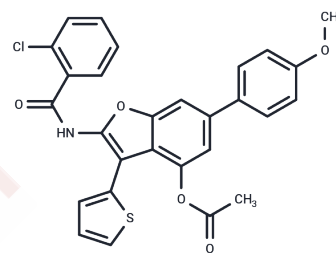


P-gp inhibitor 5

Chemical Properties

CAS No. :	2451298-06-7
Formula:	C ₂₈ H ₂₀ ClNO ₅ S
Molecular Weight:	517.98
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	P-gp inhibitor 5 is a potent P-glycoprotein (P-gp) inhibitor, reducing P-gp activity by a factor of 2.5 and 3.0 at 1.25 μ M and 2.5 μ M, respectively. It exhibits anti-proliferative effects on certain cancer cells and restores cellular sensitivity to Vincristine and Paclitaxel, reversing the multidrug resistant (MDR) phenotype of ABCB1/Flp-InTM-293 and KBvin.
Targets(IC50)	Others,P-gp

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9306 mL	9.6529 mL	19.3058 mL
5 mM	0.3861 mL	1.9306 mL	3.8612 mL
10 mM	0.1931 mL	0.9653 mL	1.9306 mL
50 mM	0.0386 mL	0.1931 mL	0.3861 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

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