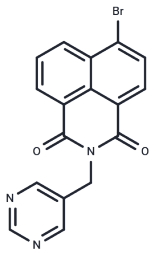
Data Sheet (Cat.No.T209969)

TargetMol

hCYP1B1-IN-2

Chemical Properties



CAS No. : 3043683-33-3

Formula: C17H10BrN3O2

Molecular Weight: 368.18

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	hCYP1B1-IN-2 (compound 3n) is a potent inhibitor of the human enzyme cytochrome P450 1B1 (hCYP1B1). It exhibits strong anti-hCYP1B1 activity with an IC50 of 0.040 nM and can also block AhR transcriptional activity. hCYP1B1-IN-2 effectively inhibits hCYP1B1 through a mixed inhibition mode with a Ki value of 21.71 pM.
Targets(IC50)	Aryl Hydrocarbon Receptor,Cytochromes P450
In vitro	hCYP1B1-IN-2 (compound 3n) at a concentration of 5 μM significantly reverses paclitaxel (PTX) resistance in H460/PTX cells, as demonstrated by the reduction of the IC 50 value from 632.6 nM (PTX alone) to 100.8 nM (PTX plus 3n).

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7161 mL	13.5803 mL	27.1606 mL
5 mM	0.5432 mL	2.7161 mL	5.4321 mL
10 mM	0.2716 mL	1.358 mL	2.7161 mL
50 mM	0.0543 mL	0.2716 mL	0.5432 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.

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