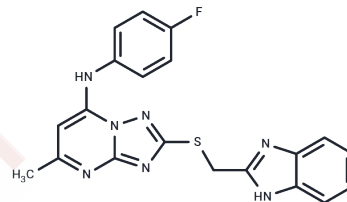


WS-691

Chemical Properties

CAS No. : 2035417-32-2
 Formula: C₂₀H₁₆N₇S
 Molecular Weight: 405.45
 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	WS-691 is a highly Potent and Orally Active ABCB1 Modulator. WS-691 significantly increased sensitization of ABCB1-overexpressed SW620/Ad300 cells to paclitaxel (PTX) (IC ₅₀ = 22.02 nM). WS-691 significantly increased the intracellular concentration of PTX and [3H]-PTX while decreasing the efflux of [3H]-PTX in SW620/Ad300 cells by inhibiting the efflux function of ABCB1. WS-691 could stabilize ABCB1 by directly binding to ABCB1. WS-691 increased the sensitivity of SW620/Ad300 cells to PTX in vivo without observed toxicity.
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4664 mL	12.332 mL	24.664 mL
5 mM	0.4933 mL	2.4664 mL	4.9328 mL
10 mM	0.2466 mL	1.2332 mL	2.4664 mL
50 mM	0.0493 mL	0.2466 mL	0.4933 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

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