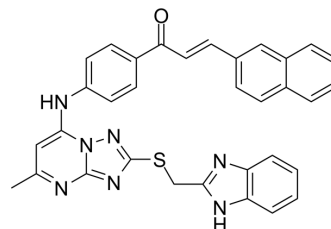


WS-898

Cat. No.:	HY-139848		
CAS No.:	2891562-77-7		
Molecular Formula:	C ₃₃ H ₂₅ N ₇ OS		
Molecular Weight:	567.66		
Target:	P-glycoprotein		
Pathway:	Membrane Transporter/Ion Channel		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 25 mg/mL (44.04 mM)
 * "≥" means soluble, but saturation unknown.

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.7616 mL	8.8081 mL	17.6162 mL
	5 mM	0.3523 mL	1.7616 mL	3.5232 mL
	10 mM	0.1762 mL	0.8808 mL	1.7616 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

WS-898 is a highly effective ABCB1 inhibitor capable of reversing paclitaxel (PTX) resistance in drug-resistant SW620/Ad300, KB-C2, and HEK293/ABCB1 cells (IC₅₀ = 5.0, 3.67, and 3.68 nM, respectively).

REFERENCES

[1]. Wang S, et al. Discovery of the Triazolopyrimidine-Based Derivative WS-898 as a Highly Efficacious and Orally Bioavailable ABCB1 Inhibitor Capable of Overcoming Multidrug Resistance. *J Med Chem.* 2021 Nov 11;64(21):16187-16204.

Caution: Product has not been fully validated for medical applications. For research use only.

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