Product Data Sheet

Product Name: ABC transporter modulator-1
Cat. No.: GC81764

Chemical Properties

Cas. No.	3093661-22-1		
Formula	$C_{20}H_{19}N_5O_3S$	M.Wt	409.46
Solubility	DMSO: 10 mg/mL (24.42 mM; Need ultrasonic)	Storage	Store at 4°C, sealed storage, away from moisture
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			

Background

ABC transporter modulator-1 (Compound I-5) is an ABC transporter expression enhancer. ABCC6 modulator-1 upregulates the expression of wild-type ABCC6, wild-type ABCB4, and ABCA4 P1380L mutant, with an EC 50 of <1 μM for all [1].

In Vitro, ABC transporter modulator-1 upregulates the expression of wild-type ABCC6 with an EC50

of <1 μM[1]. ABC transporter modulator-1 upregulates the expression of wild-type ABCC4 with an EC50 of <1 μM[1]. ABC transporter modulator-1 increases the expression of ABCA4P1380L, with an EC50 of <1 μM[1].

References:

[1]. Nathan Oliver Fuller, et al. Pyridinyloxypyridines as modulators of atp -binding cassette transporters and their use in treating medical conditions. WO2025151724A1. WIPO (PCT). 2025-01-10.