Product Data Sheet

Product Name: ABC transporter modulator-3
Cat. No.: GC81766

Chemical Properties

Cas. No.	3093661-88-9		
Formula	$C_{24}H_{21}ClN_4O_3S$	M.Wt	480.97
Solubility	DMSO: 51 mg/mL (106.04 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

ABCC6 modulator-3 (Compound I-71) is a ABCC6 activator with an EC 50 < 1 μM. ABCC6 modulator-3 upregulates the expression of wild-type ABCC6. ABCC6 modulator-3 is used in research on diseases associated with ABC transporter dysfunction [1].

In Vitro, ABC transporter modulator-3 potently increases the expression level of ABCC6 WT, with an EC50 < 1 μM[1]. ABC transporter modulator-3 fails to effectively upregulate the expression of ABCB4

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WT, with an EC50 ≥ 25 μM[1]. ABC transporter modulator-3 fails to effectively increase the expression level of ABCA4P1380L, with an EC50 ≥ 25 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.

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

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