Product Data Sheet

Product Name: ABC transporter modulator-2
Cat. No.: GC81765

Chemical Properties

Cas. No.	3093663-15-8		
Formula	$C_{19}H_{15}F_3N_6O_3S$	M.Wt	464.42
Solubility	DMSO: 100 mg/mL (215.32 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-2 (Compound I-200) is a ABC transporter expression modulator. ABC transporter modulator-2 upregulates the expression of wild-type ABCC6 with an EC 50 of <1 μM. ABC transporter modulator-2 upregulates the expression of wild-type ABCB4 with an EC 50 of <1 μM. ABC transporter modulator-2 upregulates the expression of wild-type ABCD2 with an EC 50 of <1 μM. ABC transporter modulator-2 upregulates the expression of the ABCA4 P1380L mutant with an EC 50 of <1 μM. ABC transporter modulator-2 can be used in the research of diseases associated with ABC transporter dysfunction [1].

Caution: Product has not been fully validated for medical applications. For research use only.
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In Vitro, ABC transporter modulator-2 upregulates the expression of ABCC6 WT with an EC50 of <1 μM[1]. ABC transporter modulator-2 upregulates the expression of ABCB4 WT with an EC50 of <1 μM[1]. ABC transporter modulator-2 increases the expression level of the ABCA4P1380L mutant, with an EC50 of <1 μM[1]. ABC transporter modulator-2 upregulates the expression of ABCD2 WT 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.

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