

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 EC₅₀ of <1 μM for all [1].

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

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

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of $<1 \mu\text{M}$ ^[1]. ABC transporter modulator-1 upregulates the expression of wild-type ABCC4 with an EC₅₀ of $<1 \mu\text{M}$ ^[1]. ABC transporter modulator-1 increases the expression of ABCA4P1380L, with an EC₅₀ of $<1 \mu\text{M}$ ^[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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