

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

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

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WT, with an $EC_{50} \geq 25 \mu M^{[1]}$. ABC transporter modulator-3 fails to effectively increase the expression level of ABCA4P1380L, with an $EC_{50} \geq 25 \mu M^{[1]}$.

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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