
Product Data Sheet

Product Name: RNF5 inhibitor inh-02

Cat. No.: GC63172

Chemical Properties

Cas. No. 324579-65-9

Formula $C_{23}H_{20}N_4S$

M.Wt 384.5

Solubility DMSO : 83.33 mg/mL (216.72 mM; ultrasonic and warming and heat to 60°C)

Storage Store at 2-8°C, protect from light

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**

RNF5 inhibitor inh-02 is a potent inhibitor of E3 ubiquitin ligase RNF5/RMA1. RNF5 inhibitor inh-02 leads to significant F508del-CFTR rescue ($EC_{50}=2.2 \mu M$) in bronchial epithelial cells homozygous for the F508del mutation. RNF5 inhibitor inh-02 can be used for cystic fibrosis research[1].

[1]. Elvira Sondo, et al. Pharmacological Inhibition of the Ubiquitin Ligase RNF5 Rescues F508del-CFTR in Cystic Fibrosis Airway Epithelia. Cell Chem Biol. 2018 Jul 19;25(7):891-905.e8.

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

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