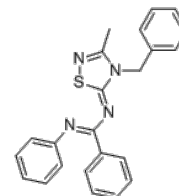


Product Name : inh-02
Cat. No. : PC-35074
CAS No. : 324579-65-9
Molecular Formula : C₂₃H₂₀N₄S
Molecular Weight : 384.501
Target : E3 Ubiquitin Ligase
Solubility : 10 mM in DMSO



Biological Activity

inh-02 (RNF5 inhibitor inh-02) is a novel small molecule inhibitor of E3 ubiquitin ligase **RNF5/RMA1**.

inh-02 causes significant F508del-CFTR rescue (EC₅₀=2.2 uM) in immortalized and primary bronchial epithelial cells from CF patients homozygous for the F508del mutation.

inh-02 decreases ubiquitylation of mutant CFTR, causing stabilization of the mature form of CFTR.

inh-02 acts on ATG4B and paxillin, which are known targets downstream of RNF5.

References

Sondo E, et al. *Cell Chem Biol.* 2018 Apr 26. pii: S2451-9456(18)30124-7.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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