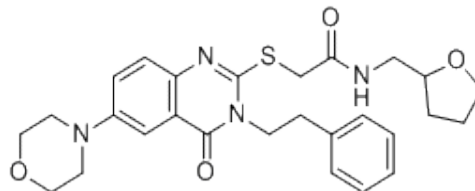


Data Sheet

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Global Supplier of Chemical Probes, Inhibitors & Agonists

Product Name :BC-1471
Cat.No. :URK-V2337
CAS No. :896683-84-4
Molecular Formula :C₂₇H₃₂N₄O₄S
Molecular Weight :508.637
Target :DUB
Solubility :



Biological Activity

BC-1471 is a selective, small-molecule deubiquitinase STAM-binding protein (STAMBP) inhibitor (IC₅₀=0.33 uM) that interrupts STAMBP-Ub-NALP7 interaction.

BC-1471 blocks STAMBP mediated deubiquitination of Ub-NALP7 in vitro, decreases endogenous NALP7 abundance in THP-1 cells, but not NALP6, NALP3, ASC or pro-caspase-1.

BC-1471 suppresses IL-1β release in several complementary human inflammatory systems, including THP-1 monocyte/macrophages, PBMCs and lung organ culture.

References

1. Bednash JS, et al. Nat Commun. 2017 May 11;8:15203.

Note: All products of Ureiko are only used for scientific research or drug certificate declaration, we do not provide products and services for any personal use!

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

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