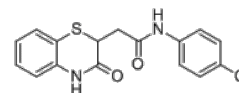


Product Name : YHV98-4
Cat. No. : PC-38294
CAS No. : 132858-26-5
Molecular Formula : C₁₆H₁₃ClN₂O₂S
Molecular Weight : 332.802
Target : Proton Pump
Solubility : 10 mM in DMSO



Biological Activity

YHV98-4 is a selective inhibitor of proton-selective **ion channel Hv1** with IC₅₀ of 0.7 μM.

YHV98-4 displays no inhibitory effects against other channels containing VSDs, including hERG, KCNQ2, BK, and Nav1.7 channel.

YHV98-4 did not inhibit transient receptor potential V1 (TRPV1) or A1 (TRPA1) at 20 μM, which also contains VSD-like domain.

YHV98-4 restores impaired ROS-mediated inflammatory pathway, restores impaired ROS-SHP-1-PI3K/pAKT-CXCL1 pathway and attenuates morphine-induced hyperalgesia and tolerance.

References

Qiansen Zhang, et al. **Cell Res.** 2022 Feb 3. doi: 10.1038/s41422-022-00616-y.

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

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