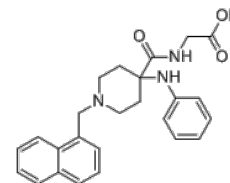


Product Name : VBIT-12
Cat. No. : PC-38802
CAS No. : 2089227-65-4
Molecular Formula : C₂₅H₂₇N₃O₃
Molecular Weight : 417.509
Target : VDAC
Solubility : 10 mM in DMSO



Biological Activity

VBIT-12 is a selective inhibitor of the mitochondria gate-keeper protein, voltage-dependent-anion channel 1 (**VDAC1**), directly interacting with purified VDAC1 and reducing the channel conductance.

VBIT-12 treatment of cultured colon cells inhibited the DSS-induced VDAC1 overexpression, oligomerization, and apoptosis.

VBIT-12 suppressed weight loss, diarrhea, rectal bleeding, pro-inflammatory cytokine production, crypt and epithelial cell damage, and focal inflammation in DSS-treated mice

References

Verma A, et al. *Mol Ther.* 2022 Feb 2;30(2):726-744.

Niu B, et al. *Cell Biol Toxicol.* 2021 Aug 17. doi: 10.1007/s10565-021-09624-x.

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

E-mail: tech@probechem.com