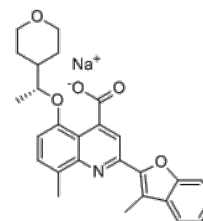


Product Name : Posenacaftor sodium
Cat. No. : PC-22023
CAS No. : 2095064-06-3
Molecular Formula : C₂₇H₂₆NNaO₅
Molecular Weight : 467.50
Target : CFTR
Solubility : 10 mM in DMSO



CAS: 2095064-06-3

Biological Activity

Posenacaftor (PTI-801) sodium is a newly developed p.Phe508del-CFTR corrector with EC₅₀ of 0.52 μ M (HS-YFP quenching rate).

Posenacaftor (PTI-801) at 1 and 3 μ M concentrations also demonstrated greater efficacy in rescuing p.Phe508del-CFTR function than VX-661 at 5 μ M concentration.

Posenacaftor (PTI-801) rescues p.Phe508del-CFTR processing, PM trafficking, and channel function (upon agonist stimulation) with greater correction effects in combination with ABBV-2222, FDL-169, VX-661, or VX-809, but not with VX-445.

Posenacaftor (PTI-801) exhibits no potentiator activity on low temperature- and corrector-rescued p.Phe508del-CFTR, displays similar behavior to that of VX-445 on genetic revertants.

References

Filipa C Ferreira, et al. Eur J Pharmacol. 2024 Mar 15:967:176390.

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

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