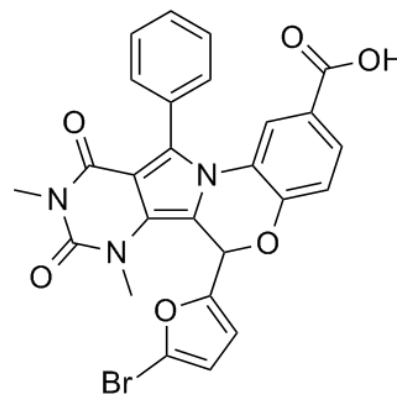


Product Name : BPO-27 racemate
Cat. No. : PC-45712
CAS No. : 1314873-02-3
Molecular Formula : C₂₆H₁₈BrN₃O₆
Molecular Weight : 548.34162
Target : CFTR
Solubility : DMSO: 6 mg/mL



Biological Activity

BPO-27 is a potent, metabolically stable CFTR inhibitor (IC₅₀ = 8 nM); shows improved potency, metabolic stability, and aqueous solubility compared to PPQ-102; prevents cyst growth with IC₅₀ of 100 nM in embryonic kidney culture model of PKD.

References

- Snyder DS, et al. *J Med Chem.* 2011 Aug 11;54(15):5468-77.
Snyder DS, et al. *ACS Med Chem Lett.* 2013 May 9;4(5):456-459.
Kim Y, et al. *Mol Pharmacol.* 2015 Oct;88(4):689-96.

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

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