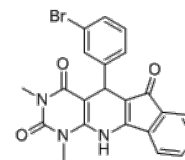


Product Name : BPIPP
Cat. No. : PC-62076
CAS No. : 325746-94-9
Molecular Formula : C₂₂H₁₆BrN₃O₃
Molecular Weight : 450.28
Target : Guanylate Cyclase
Solubility : 10 mM in DMSO



Biological Activity

BPIPP is an inhibitor of **GC-C (guanylyl cyclase type C)** that inhibits stimulation of guanylyl cyclase and adenylyl cyclase, suppresses cGMP accumulation in a variety of cell lines (IC₅₀=3.4-11.2 uM).

BPIPP inhibits chloride-ion transport stimulated by activation of guanylyl or adenylyl cyclases.

BPIPP suppresses stable toxin-induced fluid accumulation in an in vivo rabbit intestinal loop model.

References

Kots AY, et al. *Proc Natl Acad Sci U S A*. 2008 Jun 17;105(24):8440-5.

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

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