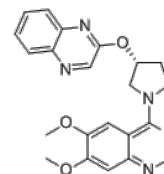


Product Name : PQ-10
Cat. No. : PC-61348
CAS No. : 927691-21-2
Molecular Formula : C₂₂H₂₁N₅O₃
Molecular Weight : 403.442
Target : Phosphodiesterase (PDE)
Solubility : 10 mM in DMSO



Biological Activity

PQ-10 is a potent, selective, brain penetrant **PDE10A** inhibitor with K_i of 4 nM.

PQ-10 displays 53-fold and 68-fold selectivity over PDE3A and PDE3B, respectively.

PQ-10 selectively inhibits colon tumor cell growth with IC_{50} of 0.1-28 μ M.

PQ-10 selectively activates cGMP/cGMP-dependent protein kinase signaling to suppress β -catenin levels and T-cell factor (TCF) transcriptional activity in colon tumor cells.

References

Li N, et al. *Oncogene*. 2015 Mar 19;34(12):1499-509.

Chappie TA, et al. *J Med Chem*. 2007 Jan 25;50(2):182-5.

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

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