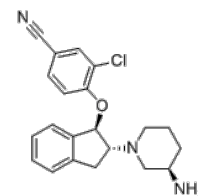


Product Name : SAR7334
Cat. No. : PC-20743
CAS No. : 1333210-07-3
Molecular Formula : C₂₁H₂₂ClN₃O
Molecular Weight : 367.88
Target : TRP Channel
Solubility : 10 mM in DMSO



CAS: 1333210-07-3

Biological Activity

SAR7334 (SAR-7334) is a highly potent and selective inhibitor of **TRPC6** channel, reduces TRPC6-mediated Ca²⁺ influx with IC₅₀ of 9.5 nM.

SAR7334 also inhibits TRPC3 and TRPC7 channels at significantly higher concentrations (IC₅₀=282 nM and 226 nM respectively), has no appreciable effects on TRPC4 or TRPC5 channels (IC₅₀>10 μM).

SAR7334 dose-dependently reduces TRPC6 currents in patch-clamp experiments on TRPC6-HEK-FITR cells with IC₅₀ of 7.9 nM.

SAR7334 suppresses TRPC6-dependent acute HPV in isolated perfused lungs from mice, does not change mean arterial pressure in spontaneously hypertensive rats (SHR).

References

Maier T, et al. *Br J Pharmacol*. 2015 Jul;172(14):3650-60.

Chauvet S, et al. *Front Pharmacol*. 2016 Dec 12;7:486.

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

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