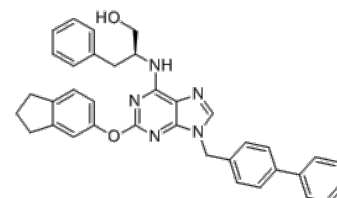


Product Name : QS-11
Cat. No. : PC-70264
CAS No. : 944328-88-5
Molecular Formula : C₃₆H₃₃N₅O₂
Molecular Weight : 567.68
Target : Wnt
Solubility : 10 mM in DMSO



Biological Activity

QS-11 (QS11) is a small molecule inhibitor of GTPase activating protein of ADP-ribosylation factor 1 (**ARFGAP1**) with K_d of 620 nM, synergizes the **Wnt/beta-catenin** signaling.

QS-11 synergizes with Wnt-3a in activating Wnt signaling through ARF activation (EC₅₀=0.5 μM).

QS-11 increases levels of nuclear β-catenin and inhibits the migration of MDA-MB-231 cells with IC₈₀ of 2.5 μM.

References

Zhang Q, et al. *Proc Natl Acad Sci U S A*. 2007 May 1;104(18):7444-8.

Singh MK, et al. *Bioorg Med Chem Lett*. 2015 Nov 1;25(21):4838-42.

Ivanyuk D, et al. *Cell Physiol Biochem*. 2015;36(2):810-30.

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

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