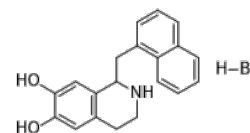


Product Name : YS-49
Cat. No. : PC-24778
CAS No. : 132836-42-1
Molecular Formula : C₂₀H₂₀BrNO₂
Molecular Weight : 386.29
Target : PI3K
Solubility : 10 mM in DMSO



Biological Activity

YS-49 (YS49) is a small molecule PI3K activator and positive inotropic isoquinoline compound.

YS 49 suppresses iNOS gene expression induced by LPS and/or cytokines in RAVSMC and RAW 264.7 cells at the transcriptional level.

YS-49 inhibits apoptosis in myocardial ischemia and reperfusion (I/R) injury in vivo via activation of the phosphatidylinositol 3-kinase (PI3K)/Akt pathway and by reducing inflammation during I/R.

References

Kang YJ, et al. Br J Pharmacol. 1999 Sep;128(2):357-64.

Sun JJ, et al. Life Sci. 2008 Mar 12;82(11-12):600-7.

Zhang W, et al. Biochem Pharmacol. 2024 May;223:116112.

Oh YJ, et al. Int Immunopharmacol. 2011 Sep;11(9):1160-5.

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

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