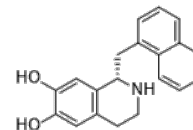


**Product Name** : CKD712  
**Cat. No.** : PC-24779  
**CAS No.** : 626252-75-3  
**Molecular Formula** : C<sub>20</sub>H<sub>19</sub>NO<sub>2</sub>  
**Molecular Weight** : 305.38  
**Target** : PI3K  
**Solubility** : 10 mM in DMSO



### Biological Activity

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

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

(S)-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

Jin YC, et al. J Pharmacol Exp Ther. 2009 Aug;330(2):440-8.

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

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