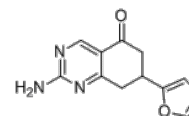


**Product Name** : NKY80  
**Cat. No.** : PC-60667  
**CAS No.** : 299442-43-6  
**Molecular Formula** : C<sub>12</sub>H<sub>11</sub>N<sub>3</sub>O<sub>2</sub>  
**Molecular Weight** : 229.239  
**Target** : Adenylate Cyclase  
**Solubility** : 10 mM in DMSO



### Biological Activity

NKY80 is a potent, selective **adenylyl cyclase** AC5/6 inhibitor with IC<sub>50</sub> of 7.7/17 uM, respectively.

NKY80 displays little to no activity for other AC isoforms (IC<sub>50</sub>>100 uM).

NKY80 blocks both BAPTA-AM-stimulated cAMP formation and renin release in primary cultures of juxtaglomerular cells.

### References

Onda T, et al. *J Biol Chem*. 2001 Dec 21;276(51):47785-93.

Ortiz-Capisano MC, et al. *Hypertension*. 2007 Mar;49(3):618-24.

Brand CS, et al. *J Pharmacol Exp Ther*. 2013 Nov;347(2):265-75.

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

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