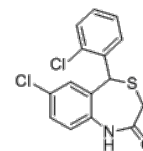


**Product Name** : CGP 37157  
**Cat. No.** : PC-61112  
**CAS No.** : 75450-34-9  
**Molecular Formula** : C<sub>15</sub>H<sub>11</sub>Cl<sub>2</sub>NOS  
**Molecular Weight** : 324.22  
**Target** : Sodium-calcium Exchanger (NCX)  
**Solubility** : 10 mM in DMSO



## Biological Activity

CGP37157 is a specific inhibitor of mitochondrial **Na(+)-Ca(2+) exchanger** (mNCE) with IC<sub>50</sub> of 1.5 μM in INS-1 cells. CGP37157 decreases the amplitude of the mitochondrion-mediated plateau phase in cultured rat dorsal root ganglion neurons with IC<sub>50</sub> of 4 μM.

CGP37157 increases mitochondrial metabolism and potentiates glucose-stimulated insulin secretion in rat pancreatic islets.

## References

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Lee B, et al. *Diabetes.* 2003 Apr;52(4):965-73.

Montero M, et al. *Mol Biol Cell.* 2001 Jan;12(1):63-71.

Visch HJ, et al. *J Biol Chem.* 2004 Sep 24;279(39):40328-36.

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

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