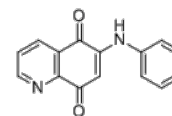


**Product Name** : LY-83583  
**Cat. No.** : PC-62156  
**CAS No.** : 91300-60-6  
**Molecular Formula** : C<sub>15</sub>H<sub>10</sub>N<sub>2</sub>O<sub>2</sub>  
**Molecular Weight** : 250.3  
**Target** : Guanylate Cyclase  
**Solubility** : 10 mM in DMSO



## Biological Activity

LY-83583 (LY83583) is an inhibitor of **soluble guanylate cyclase** (sGC) and of cGMP production, inhibits sGC in human platelets with IC<sub>50</sub> of 2  $\mu$ M.

LY-83583 also inhibits leukotriene synthesis in guinea pig lung and rat peritoneal cells with an IC<sub>50</sub> value of 1.8  $\mu$ M.

LY-83583 is a noncompetitive inhibitor of glutathione reductase in bovine intestinal mucosa with K<sub>i</sub> of 3  $\mu$ M.

## References

Butcher RA, et al. *Nat Chem Biol*. 2006 Feb;2(2):103-9.

Mülsch A, et al. *Naunyn Schmiedebergs Arch Pharmacol*. 1989 Jul;340(1):119-25.

Fleisch JH, et al. *J Pharmacol Exp Ther*. 1984 Jun;229(3):681-9.

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

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