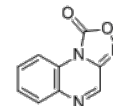


**Product Name** : ODQ  
**Cat. No.** : PC-63138  
**CAS No.** : 41443-28-1  
**Molecular Formula** : C<sub>9</sub>H<sub>5</sub>N<sub>3</sub>O<sub>2</sub>  
**Molecular Weight** : 187.158  
**Target** : Guanylate Cyclase  
**Solubility** : 10 mM in DMSO



## Biological Activity

ODQ (sGC inhibitor ODQ) is a potent, selective, irreversible inhibitor of **sGC** (soluble guanylyl cyclase). ODQ inhibits the elevation of cGMP induced by the NO donor S-nitroso-DL-penicillamine in human platelets and rat vascular smooth muscle (IC<sub>50</sub> = 10-60 nM and <10 nM, respectively). ODQ has no effect on NO synthase.

## References

- Moro MA, et al. *Proc Natl Acad Sci U S A*. 1996 Feb 20;93(4):1480-5.  
Cellek S, et al. *Br J Pharmacol*. 1996 May;118(1):137-40.  
Schrammel A, et al. *Mol Pharmacol*. 1996 Jul;50(1):1-5.

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

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