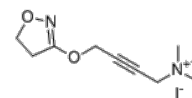


**Product Name** : Iperoxo  
**Cat. No.** : PC-60327  
**CAS No.** : 247079-84-1  
**Molecular Formula** : C<sub>10</sub>H<sub>17</sub>IN<sub>2</sub>O<sub>2</sub>  
**Molecular Weight** : 324.16  
**Target** : mAChR  
**Solubility** : 10 mM in DMSO



## Biological Activity

Iperoxo is an extremely potent muscarinic receptor agonist with EC<sub>50</sub> of 2.12 nM and 8.47 nM for M<sub>2</sub> and M<sub>4</sub>, respectively. Iperoxo significantly exceeds ACh in Gi /Gs signalling competence CHO-hM<sub>2</sub> cells.

## References

- Schrage R, et al. *Br J Pharmacol*. 2013 May;169(2):357-70.  
Kruse AC, et al. *Nature*. 2013 Dec 5;504(7478):101-6.  
Croy CH, et al. *Mol Pharmacol*. 2014 Jul;86(1):106-15.

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

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