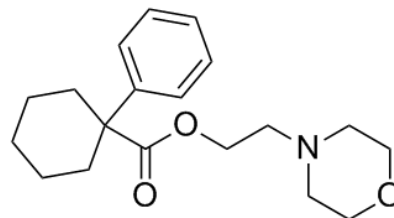


**Product Name** : PRE-084 hydrochloride  
**Cat. No.** : PC-45419  
**CAS No.** : 75136-54-8  
**Molecular Formula** : C<sub>19</sub>H<sub>28</sub>ClNO<sub>3</sub>  
**Molecular Weight** : 353.8835  
**Target** : Sigma Receptor  
**Solubility** : DMSO: ≥ 34 mg/mL



H-Cl

### Biological Activity

PRE-084 hydrochloride is a highly potent, selective **sigma-1** receptor agonist with K<sub>i</sub> of 2.2 nM, IC<sub>50</sub> of 44 nM. PRE-084 shows little or no affinity for sigma-2 and PCP receptors (K<sub>i</sub>>10 μM). PRE-084 has nootropic and antidepressant actions in vivo, as well as antitussive and reinforcing effects.

### References

- Su TP, et al. *J Pharmacol Exp Ther*. 1991 Nov;259(2):543-50.  
Brown C, et al. *Br J Pharmacol*. 2004 Jan;141(2):233-40.  
Maurice T, et al. *Br J Pharmacol*. 2001 Dec;134(8):1731-41.

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

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