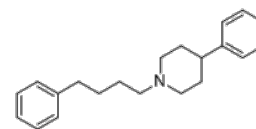


**Product Name** : 4-PPBP  
**Cat. No.** : PC-61602  
**CAS No.** : 201216-39-9  
**Molecular Formula** : C<sub>21</sub>H<sub>27</sub>N  
**Molecular Weight** : 293.454  
**Target** : Sigma Receptor  
**Solubility** : 10 mM in DMSO



## Biological Activity

4-PPBP is a highly potent agonist of **sigma 1 receptor** ( $\sigma$ 1 receptor) with  $K_i$  of 0.8 nM. 4-PPBP attenuates activity of neuronal nitric oxide synthase (nNOS), blunts ischemia-induced nitric oxide production, and provides neuroprotection in stroke models.

## References

- Takahashi H, et al. *Stroke*. 1995 Sep;26(9):1676-82.  
Narita N, et al. *Eur J Pharmacol*. 1995 Oct 6;293(3):277-80.  
Yang ZJ, et al. *Exp Neurol*. 2010 Jan;221(1):166-74.

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

E-mail: tech@probechem.com