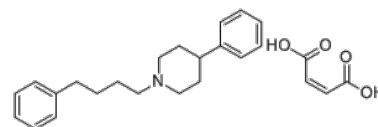


**Product Name** : 4-BBPB maleate  
**Cat. No.** : PC-61601  
**CAS No.** : 207572-62-1  
**Molecular Formula** : C<sub>25</sub>H<sub>31</sub>NO<sub>4</sub>  
**Molecular Weight** : 409.526  
**Target** : Sigma Receptor  
**Solubility** : 10 mM in DMSO



### Biological Activity

4-BBPB maleate is a highly potent agonist of **sigma 1 receptor** ( $\sigma_1$  receptor) with  $K_i$  of 0.8 nM. 4-BBPB maleate 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!**

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