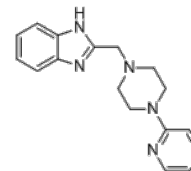


**Product Name** : ABT-724  
**Cat. No.** : PC-70061  
**CAS No.** : 70006-24-5  
**Molecular Formula** : C<sub>17</sub>H<sub>19</sub>N<sub>5</sub>  
**Molecular Weight** : 293.366  
**Target** : Dopamine Receptor  
**Solubility** : 10 mM in DMSO



## Biological Activity

ABT-724 is a potent, selective **dopamine D4** receptor agonist that activates human dopamine D4 receptors with EC<sub>50</sub> of 12.4 nM, with no effect on dopamine D1, D2, D3, or D5 receptors.

ABT-724 elicits penile erections in rats at a dose of 0.03 uM/kg, increases intracavernosal pressure in awake freely moving rats.

## References

Brioni JD, et al. *Proc Natl Acad Sci U S A*. 2004 Apr 27;101(17):6758-63.

Cowart M, et al. *J Med Chem*. 2004 Jul 15;47(15):3853-64.

Yin P, et al. *Neurosci Lett*. 2014 Sep 19;580:142-6.

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

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