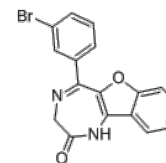


**Product Name** : 5-BDBD  
**Cat. No.** : PC-72721  
**CAS No.** : 768404-03-1  
**Molecular Formula** : C<sub>17</sub>H<sub>11</sub>BrN<sub>2</sub>O<sub>2</sub>  
**Molecular Weight** : 355.191  
**Target** : P2X Receptor  
**Solubility** : 10 mM in DMSO



## Biological Activity

5-BDBD is a potent and selective **P2X4 receptor (P2X4R)** antagonist, inhibits P2X4-mediated currents in CHO cells with IC<sub>50</sub> of 0.5 μM.

5-BDBD displays no significant antagonist effects at other P2X receptors.

5-BDBD reduces long-term potentiation (LTP) in rat hippocampal slices.

## References

Wu T, et al. Am J Physiol Heart Circ Physiol. 2011 Jul;301(1):H69-78.

Balázs B, et al. Cell Physiol Biochem. 2013;32(1):11-24.

Barr TP, et al. Pain. 2014 Jun;155(6):1091-1101.

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

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