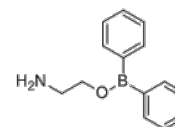


Product Name : 2-APB
Cat. No. : PC-60019
CAS No. : 524-95-8
Molecular Formula : C₁₄H₁₆BNO
Molecular Weight : 225.094
Target : TRP Channel
Solubility : 100 mM in DMSO



Biological Activity

2-APB (2-Aminoethoxydiphenylborane) is a membrane permeable **IP3** receptor antagonist and broad **TRP channels** (TRPC5, TRPM2) blocker.

2-APB stimulates store-operated calcium (SOC) release at 10 uM.

2-APB increases STIM-Orai channel conductance and limits ion selectivity.

References

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Maruyama T, et al. *J Biochem.* 1997 Sep;122(3):498-505.

Bai D, et al. *J Pharmacol Exp Ther.* 2006 Dec;319(3):1452-8.

Togashi K, et al. *Br J Pharmacol.* 2008 Mar;153(6):1324-30.

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

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