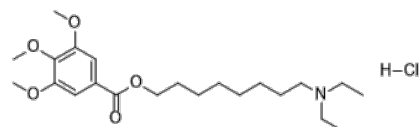


Product Name : TMB-8
Cat. No. : PC-25760
CAS No. :
Molecular Formula : C₂₂H₃₈ClNO₅
Molecular Weight : 432.00
Target : Calcium Channel
Solubility : 10 mM in DMSO



Biological Activity

TMB-8 is a specific small molecule Ca²⁺ antagonist, interferes with Ca²⁺ availability in smooth and skeletal muscles. TMB-8 may exert inhibitory effects in smooth muscle by blocking Ca²⁺ release from intracellular bound stores. TMB-8 interferes with Ca²⁺ availability in smooth and skeletal muscles. TMB-8 (50 μM) significantly inhibited equivalent responses of the rabbit aortic strip to KCl and noradrenaline reduces Ca²⁺ availability in smooth and skeletal muscles by stabilizing Ca²⁺ binding to cellular Ca²⁺ stores and thereby inhibits the release of this Ca²⁺ by contractile stimuli.

References

Matsumoto T, et al. Biochem Biophys Res Commun. 1979 Jun 13;88(3):974-9.
 Malagodi MH, et al. Eur J Pharmacol. 1974 Jun;27(1):25-33.

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

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