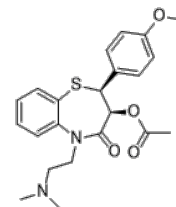


Product Name : Diltiazem
Cat. No. : PC-25782
CAS No. : 42399-41-7
Molecular Formula : C₂₂H₂₆N₂O₄S
Molecular Weight : 414.52
Target : Calcium Channel
Solubility : 10 mM in DMSO



Biological Activity

Diltiazem hydrochloride (CRD-401) is a postsynaptic muscle relaxant that inhibits Ca²⁺ ions release from sarcoplasmic reticulum stores, inhibits L-type voltage-dependent Ca²⁺ channels (L-VDCC).

Diltiazem hydrochloride (CRD-401) antagonizes ryanodine receptors (RyR).

Diltiazem hydrochloride (CRD-401) can prevent cell death in neural progenitor cells derived from Wolfram syndrome iPS cells.

References

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Zucchi R, et al. Pharmacol Rev. 1997 Mar;49(1):1-51.

Krause T, et al. Anaesthesia. 2004 Apr;59(4):364-73.

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

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