Product Data Sheet

Product Name: Betaxolol hydrochloride
CAS No.: 63659-19-8
Cat. No.: HY-B0381A
MWt: 343.89
Formula: C18H30ClNO3
Purity: >98%

Solubility: DMSO 70 mg/mL; Water 69 mg/mL

Mechanisms:
Pathways: GPCR/G protein; Target: Adrenergic Receptor

Biological Activity:
Betaxolol Hydrochloride is a selective beta1 adrenergic receptor blocker used in the treatment of hypertension and glaucoma.
Target: Beta1 Adrenergic Receptor
Betaxolol is a cardioselective beta-adrenergic receptor blocking agent. Betaxolol (5 mg/kg via i.p. injection) was administered at 24 and then 44 h following the final chronic cocaine administration. Animals treated with betaxolol during cocaine withdrawal exhibited a significant attenuation of anxiety-like behavior characterized by increased time spent in the open arms and increased entries into the open arms compared to animals treated with only saline during cocaine withdrawal. Betaxolol did not produce anxiolytic-like effects in control animals treated chronically with saline [1]. Betaxolol produces less systemic beta 2- and possibly beta 1-adrenergic receptor blockade than either timolol or levobunolol. Beta...

References:

Caution: Not fully tested. For research purposes only

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