Product Name: Moclobemide
CAS No.: 71320-77-9
Cat. No.: HY-B0534
MWt: 268.74
Formula: C13H17ClN2O2
Purity: >98%

Solubility:
DMSO 55 mg/mL; Water <1 mg/mL

Mechanisms:
Pathways: Others; Target: Others

Biological Activity:
Moclobemide (Ro111163) is a reversible monoamine oxidase inhibitor (MAOI) selective for isoform A (RIMA) used to treat major depressive disorder.

Target: Monoamine Oxidase
Moclobemide orally administered 2 hours before decapitation preferentially inhibits MAO-A and PEA in rat brain with ED50 of 7.6 μmol/kg and 78 μmol/kg, respectively. Moclobemide orally administered 2 hours before decapitation preferentially inhibits MAO-A and PEA in rat liver with ED50 of 8.4 μmol/kg and 6.6 μmol/kg, respectively. Moclobemide (0.1 mM), which inhibits brain MAO-A activity by over 80%, does not affect benzylamine oxidase (rat heart) and diamine oxidase (rat small intestine) activity in vitro [1]. Moclobemide (10 mM-100 mM) includes in the culture medium during anoxia or with glutamate significantly increases in a concentration-dependent manner the amount of surviving neurons compared to...

References:

Caution: Not fully tested. For research purposes only
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