

Meclofenoxate (hydrochloride)

Catalog No: tcsc2216



Available Sizes

Size: 100mg



Specifications

CAS No:

3685-84-5

Formula:

$C_{12}H_{17}Cl_2NO_3$

Pathway:

Neuronal Signaling;Membrane Transporter/Ion Channel;Membrane Transporter/Ion Channel;Neuronal Signaling

Target:

nAChR;nAChR;iGluR;iGluR

Purity / Grade:

>98%

Solubility:

H₂O : 33.33 mg/mL (113.30 mM; Need ultrasonic); DMSO : ≥ 50 mg/mL (169.97 mM)

Observed Molecular Weight:

294.17

Product Description

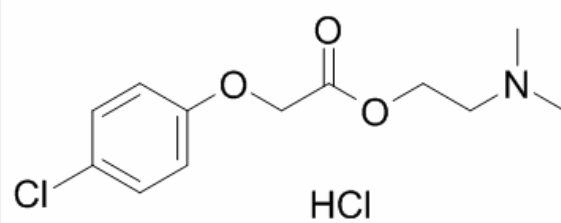
Meclofenoxate hydrochloride, an ester of dimethylethanolamine (DMAE) and 4-chlorophenoxyacetic acid (pCPA), has been shown to improve memory, have a mentally stimulating effect, and improve general cognition.

IC₅₀ value:

Target: nootropic

Meclofenoxate, administered in a dose of 50 mg/kg twice daily for 7 days using the maze-training method, increased the number of responses to the conditioned stimulus, when retention tests were made 24 hours and 7 days after training, whereas citicholine,

applied in the same way in a dose of 10 mg/kg, shortened the latency of the responses with reinforcement during the training and increased the number of correct responses to the conditioned stimulus in retention tests 7 days after the training [1]. Meclofenoxate appears to increase the consolidation of new information into long-term memory, but does not affect other aspects of remembering [2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!