Moclobemide, MAO-A inhibitor ab143349

Overview

Product name: Moclobemide, MAO-A inhibitor

Description: Reversible, non-competitive, slow-binding MAO-A inhibitor

Biological description: Reversible, non-competitive slow-binding MAO-A inhibitor (IC\textsubscript{50} = 500 μM). Shows antidepressant, anxiolytic, neuroprotective and anti-ischemic effects \textit{in vivo}. Orally active. Blood-brain barrier permeable.

Purity: > 99%

CAS Number: 71320-77-9

Chemical structure:

![Chemical structure of Moclobemide](image)

Properties

Chemical name: 4-Chloro-N-(2-morpholin-4-ylethyl)benzamide

Molecular weight: 268.74

Molecular formula: C\textsubscript{13}H\textsubscript{17}ClN\textsubscript{2}O\textsubscript{2}

PubChem identifier: 4235

Storage instructions: Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.

Solubility overview: Soluble in DMSO to 100 mM and in ethanol to 25 mM

Handling: Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILES: C(C1C=CC(=CC(=1)Cl)(=O)NCCN2CCOC)C2

Source: Synthetic
Please note: All products are “FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS”

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