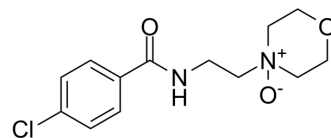


Moclobemide N-Oxide

Cat. No.:	HY-135265
CAS No.:	64544-24-7
Molecular Formula:	C ₁₃ H ₁₇ ClN ₂ O ₃
Molecular Weight:	284.74
Target:	Monoamine Oxidase
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Moclobemide N-Oxide (Ro 12-5637) is N-oxide metabolite of Moclobemide. Moclobemide N-Oxide retains certain MAO-A (monoamine oxidase) inhibitory activity, but is generally present in low concentrations. Moclobemide N-Oxide can be detected by UV absorption at 240 nm ^{[1][2]} .
IC ₅₀ & Target	MAO-A

REFERENCES

[1]. Rakic Ignjatovic A, et al. Moclobemide monotherapy vs. combined therapy with valproic acid or carbamazepine in depressive patients: a pharmacokinetic interaction study. *Br J Clin Pharmacol.* 2009 Feb;67(2):199-208.

[2]. Geschke R, et al. Determination of the new monoamine oxidase inhibitor moclobemide and three of its metabolites in biological fluids by high-performance liquid chromatography. *J Chromatogr.* 1987 Sep 4;420(1):111-20.

Caution: Product has not been fully validated for medical applications. For research use only.

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