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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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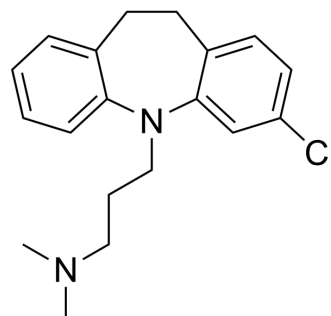
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Clomipramine (Standard)

Cat. No.:	HY-B0457AR
CAS No.:	303-49-1
Molecular Formula:	C ₁₉ H ₂₃ ClN ₂
Molecular Weight:	314.85
Target:	Serotonin Transporter
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Clomipramine (Standard) is the analytical standard of Clomipramine. This product is intended for research and analytical applications. Clomipramine (Chlorimipramine) is a potent 5-HT reuptake blocker with the IC₅₀ value of 1.5 nM. Clomipramine is a tricyclic antidepressant that can be used for the research of depression and obsessive compulsive disorder (OCD)^[1].

REFERENCES

- [1]. Yumi Sugimoto, et al. The tricyclic antidepressant Clomipramine increases plasma glucose levels of mice. *J Pharmacol Sci.* 2003 Sep;93(1):74-9.
- [2]. Mushtaq Ahmed, et al. Comparative study of the inhibitory effect of antidepressants on cholinesterase activity in Bungarus sindanus (krait) venom, human serum and rat striatum. *J Enzyme Inhib Med Chem.* 2008 Dec;23(6):912-7.
- [3]. Federica Cavaliere, The tricyclic antidepressant Clomipramine inhibits neuronal autophagic flux. *Sci Rep.* 2019 Mar 19;9(1):4881.

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

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