



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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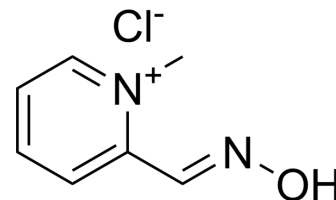
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Pralidoxime chloride (Standard)

Cat. No.:	HY-B1200R
CAS No.:	51-15-0
Molecular Formula:	C ₇ H ₉ ClN ₂ O
Molecular Weight:	172.61
Target:	Cholinesterase (ChE)
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Pralidoxime (chloride) (Standard) is the analytical standard of Pralidoxime (chloride). This product is intended for research and analytical applications. Pralidoxime chloride is a potent reactivator of acetylcholinesterase (AChE). Pralidoxime chloride reactivates nerve agent-inhibited AChE via direct nucleophilic attack by the oxime moiety on the phosphorus center of the bound nerve agent. Pralidoxime chloride is an antidote for organophosphate poisoning^{[1][2]}.

REFERENCES

- [1]. Cadieux CL, et al. Probing the activity of a non-oxime reactivator for acetylcholinesterase inhibited by organophosphorus nerve agents. *Chem Biol Interact.* 2016;259(Pt B):133-141.
- [2]. Eyer P, Buckley N. Pralidoxime for organophosphate poisoning. *Lancet.* 2006;368(9553):2110-2111.
- [3]. Houzé P, et al. High Dose of Pralidoxime Reverses Paraoxon-Induced Respiratory Toxicity in Mice. *Turk J Anaesthesiol Reanim.* 2018;46(2):131-138.

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

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