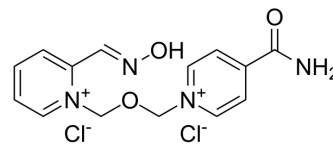


Asoxime dichloride

Cat. No.:	HY-106901A
CAS No.:	34433-31-3
Molecular Formula:	C ₁₄ H ₁₆ Cl ₂ N ₄ O ₃
Molecular Weight:	359.21
Target:	nAChR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Asoxime dichloride (HI-6) is an antagonist to acetylcholine receptors (AChRs) including the nicotinic receptor, $\alpha 7$ nAChR. Asoxime dichloride involves in modulating immunity response. Asoxime dichloride (HI-6) can be used as an antigen and improves vaccination efficacy in the nervous system ^[1] .								
IC₅₀ & Target	IC50: acetylcholine receptors (AChRs) ^[1]								
In Vivo	<p>Asoxime dichloride (intramuscular injection into the rear limb; 2% and 0.2% of median lethal dose 15.6 and 1.56 mg/kg; 21 or 65 days) significantly improved vaccination efficacy as a dose-dependent manner when KLH is 1 mg/kg. A combination of HI-6 and keyhole limpet hemocyanin (KLH) produces a vaccination of almost the same efficacy as that for Freund's complete adjuvant^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1"> <tr> <td>Animal Model:</td> <td>Balb/c mice^[1]</td> </tr> <tr> <td>Dosage:</td> <td>2% and 0.2% of median lethal dose 15.6 and 1.56mg/kg</td> </tr> <tr> <td>Administration:</td> <td>Intramuscular injection into the rear limb</td> </tr> <tr> <td>Result:</td> <td>Improved vaccination efficacy at the level of immunity regulation by the nervous system.</td> </tr> </table>	Animal Model:	Balb/c mice ^[1]	Dosage:	2% and 0.2% of median lethal dose 15.6 and 1.56mg/kg	Administration:	Intramuscular injection into the rear limb	Result:	Improved vaccination efficacy at the level of immunity regulation by the nervous system.
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REFERENCES

[1]. Pohanka M, et al. HI-6 modulates immunization efficacy in a BALB/c mouse model. *Environ Toxicol Pharmacol.* 2013 Nov;36(3):801-6.

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

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