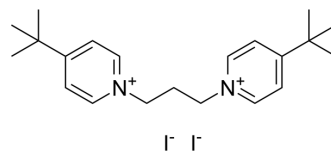


MB327

Cat. No.:	HY-161118
CAS No.:	61368-98-7
Molecular Formula:	C ₂₁ H ₃₂ I ₂ N ₂
Molecular Weight:	566.3
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

MB327 is a bipyridine nonoxime compound that restores neuromuscular function. MB327 restores the activity of nicotinamide acetylcholine receptors (nAChRs) for carbachol desensitization in a typical type II PAM manner. MB327 can neutralize nerve agent poisoning^{[1][2]}.

REFERENCES

[1]. Niessen K V, et al. In vitro pharmacological characterization of the bispyridinium non-oxime compound MB327 and its 2-and 3-regioisomers[J]. Toxicology Letters, 2018, 293: 190-197.

[2]. Seeger T, et al. Restoration of soman-blocked neuromuscular transmission in human and rat muscle by the bispyridinium non-oxime MB327 in vitro[J]. Toxicology, 2012, 294(2-3): 80-84.

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

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