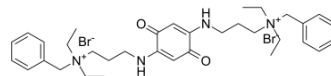


Benzoquinonium dibromide

Cat. No.:	HY-B1552B
Molecular Formula:	C ₃₄ H ₅₀ Br ₂ N ₄ O ₂
Molecular Weight:	706.59
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	Benzoquinonium dibromide is a nicotinic acetylcholine receptors (nAChRs) antagonist, with an IC ₅₀ of 0.46 μM. Benzoquinonium dibromide can block neuromuscular and ganglionic transmission ^{[1][2][3]} .
IC₅₀ & Target	IC ₅₀ : 0.46 μM (nAChRs) ^[1]

REFERENCES

- [1]. Walker RJ, et, al. Physiological and pharmacological studies on annelid and nematode body wall muscle. *Comp Biochem Physiol C Comp Pharmacol Toxicol*. 1993 Sep;106(1):49-58.
- [2]. BOWMAN WC. The neuromuscular blocking action of benzoquinonium chloride in the cat and in the hen. *Br J Pharmacol Chemother*. 1958 Dec;13(4):521-30.
- [3]. Bowman WC, et, al. Neuromuscular blocking and ganglion blocking activities of some acetylcholine antagonists in the cat. *J Pharm Pharmacol*. 1972 Oct;24(10):762-72.

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

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