

Product Data Sheet

Benzoquinonium dibromide

Cat. No.: HY-B1552B

Molecular Formula: C₃₄H₅₀Br₂N₄O₂

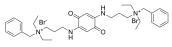
Molecular Weight: 706.59

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 μ M. Benzoquinonium dibromide can block neuromuscular and ganglionic transmission ^{[1][2][3]} .
IC ₅₀ & Target	IC50: 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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