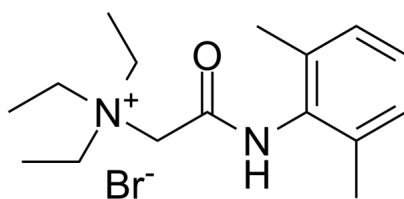


Data Sheet

Product Information

Catalog Number	BP16143
Product Name	QX-314 bromide
Description	QX-314 bromide is a blocker of the membrane-impermeable permanently charged sodium channel.
In vitro	QX-314 bromide inhibits calcium currents in hippocampal CA1 pyramidal neurons intracellular, and the low-threshold (T-type) Ca ²⁺ currents are on average < 10% of control amplitude. QX-314 bromide exerts biphasic effects on transient receptor potential vanilloid subtype 1 channels in vitro. QX-314 bromide shifts the current-voltage relationships (I-Vs) in the positive voltage direction due to the presence of intracellular Br ⁻ . QX-314 bromide (≥ 30 mM) produces oocyte membrane blackening and cell death. QX-314 bromide (1-60 mM) directly activates TRPV1 in a concentration-dependent manner .
In vivo	QX-314 bromide (1.6 mg/kg; i.c.) abolishes responses to noxious mechanical and thermal stimuli .
CAS No.	24003-58-5
Chemical Formula	C ₁₆ H ₂₇ BrN ₂ O
Molecular Weight	343.3
Solubility	
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year

Chemical Structure
OR
Tested Image



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