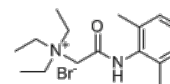


**Product Name** : QX-314 bromide  
**Cat. No.** : PC-47037  
**CAS No.** : 24003-58-5  
**Molecular Formula** : C<sub>16</sub>H<sub>27</sub>N<sub>2</sub>OBr  
**Molecular Weight** : 343.31  
**Target** : Sodium Channel  
**Solubility** : 10 mM in DMSO



### Biological Activity

QX 314 bromide is a membrane impermeable quaternary derivative of lidocaine, a blocker of **voltage-activated Na<sup>+</sup> channels**, also inhibits calcium currents in hippocampal CA1 pyramidal neurons.

### References

M Alreja, et al. *Brain Res.* 1994 Mar 14;639(2):320-4.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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