Overview

Product name: Dibucaine hydrochloride, Local anesthetic
Description: Local anesthetic
Biological description: Potent and toxic long-acting local anesthetic. Blocks both the initiation and conduction of nerve impulses by decreasing the neuronal membrane’s permeability to sodium ions. This reversibly stabilizes the membrane and inhibits depolarization, resulting in the failure of a propagated action potential and subsequent conduction blockade.

CAS Number: 61-12-1
Chemical structure:

![Chemical structure image]

Properties

Chemical name: 2-Butoxy-N-[2-(diethylamino)ethyl]-4-quinolinecarboxamide hydrochloride
Molecular weight: 379.92
Molecular formula: C_{20}H_{29}N_{3}O_{2}.HCl
Storage instructions: Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview: Soluble in DMSO to 100 mM, in water to 100 mM and in ethanol to 100 mM
Handling: Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

Source: Synthetic

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"
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