**Product datasheet**

**Mepivacaine hydrochloride ab143326**

**Overview**

**Product name**  
Mepivacaine hydrochloride

**Description**  
Aminoamide local anesthetic. Voltage-gated Na⁺ channel blocker.

**Biological description**  
Aminoamide local anesthetic. Voltage-gated Na⁺ channel blocker (IC₅₀ = 149 µM). Short onset time, intermediate duration and low toxicity. Similar to lidocaine. Prodrug that requires bioactivation by cytochrome P450. Active *in vitro* and *in vivo*.

**Properties**

**Chemical name**  
N-(2,6-Dimethylphenyl)-1-methylpiperidine-2-carboxamide hydrochloride

**Molecular weight**  
282.81

**Chemical structure**

![Chemical structure of Mepivacaine hydrochloride]

**Molecular formula**  
C₁₅H₂₂N₂O.HCl

**CAS Number**  
1722-62-9

**PubChem identifier**  
66070

**Storage instructions**  
Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.

**Solubility overview**  
Soluble in water

**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.

**SMILES**  
CC1=C(C(=CC=C1)C)NC(=O)C2CCCCN2C.CI

**Source**  
Synthetic

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