Product datasheet

Ambenonium chloride, acetylcholinesterase (AChE) inhibitor ab145994

Overview

**Product name**
Ambenonium chloride, acetylcholinesterase (AChE) inhibitor

**Description**
Potent, selective, reversible acetylcholinesterase (AChE) inhibitor

**Biological description**
Extremely potent, selective and rapidly reversible acetylcholinesterase (AChE) inhibitor (IC₅₀ values are 0.0007 and 7 μM at AChE and BChE respectively). Used in the management of myasthenia gravis.

**Purity**
> 98%

Properties

**Chemical name**
$N,N'\{(1,2\text{-Dioxo-1,2-ethanediyl})\text{bis(imino-2,1-ethanediyl})\text{bis}[2\text{-chloro-}N,N\text{-diethylbenzenemethanaminium}]\text{ dichloride}}$

**Molecular weight**
608.47

**Chemical structure**

![Chemical structure image]

**Molecular formula**
$C_{28}H_{42}Cl_4N_4O_2$

**CAS Number**
115-79-7

**Storage instructions**
Store at +4°C. 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.

Toxic, refer to SDS for further information.

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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