

Product datasheet

Diphenhydramine hydrochloride ab120733

Overview

Product name	Diphenhydramine hydrochloride
Description	Potent H ₁ antagonist
Biological description	Potent H ₁ receptor antagonist (K _i = 1 nM). Shows antihistaminergic, antiemetic, sedative and hypnotic effects.
Purity	> 99%

Properties

Chemical name	2-Diphenylmethoxy- <i>N,N</i> -dimethylethanamine hydrochloride
Molecular weight	291.82
Chemical structure	

Molecular formula	C ₁₇ H ₂₁ NO.HCl
CAS Number	147-24-0
Storage instructions	Store at Room Temperature. The product can be stored for up to 12 months.
Solubility overview	Soluble in water 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

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