



Specialized in chemicals

Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center,
Qianshan Rd. Hefei 230022 China

Tel : (0086) 551 65418678

Fax: (0086) 551 65418697

Email: info@tnjchem.com

Site: www.tnjchem.com

Technical Data Sheet

Diphenhydramine Hydrochloride

Product Information

Chemical Name Diphenhydramine Hydrochloride

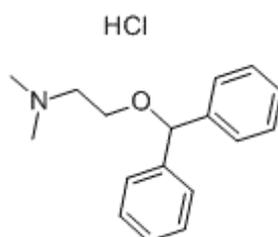
CAS # 147-24-0

Formula C₁₇H₂₂ClNO

Molecular Weight 291.82

Synonyms

2-(diphenylmethoxy)-n,n-dimethyl-ethanaminhydrochloride;2-(diphenylmethoxy)-n,n-dimethyl-ethylaminhydrochloride;Actifed;alpha-Hydroxydiphenylmethane-beta-dimethylaminoethyl etherhydrochloride;alpha-hydroxydiphenylmethane-beta-dimethylaminoethyletherhydrochlorid e;Ambenyl;BAX;Benacine



Chemical Structure

Physical Properties

White crystalline powder,stable, but slowly darkens upon exposure to light. Incompatible with strong oxidizing agents.

Specification

Items

Specification

Results

Appearance	White crystalline powder	Conforms
Content, %	≥ 98.0	99.20
Specific optical rotation	+102.00	Conforms
Identification	Confirms to standard	Conforms
Melting point, °C	168.00~172.00	170.00
Loss on Drying, %	≤ 0.10	0.06
Arsenic, mg/kg	≤ 1.00	0.50
Heavy metals, mg/kg	≤ 2.00	< 1.00
Max.absorption wavelength	≤ 242.00 (methanol)	Conforms

Safety

It is common goods on transportation;
Always refer to the Material Safety Data Sheet (MSDS)

Applications

- 1.To eliminate all kinds of allergic symptoms,The central inhibition effect significantly, but not as good as promethazine hydrochloride;
 - 2.Still have composed, prevent motion sickness and anti-nausea effect,
 - 3.also has the effect that fight choline, can alleviate bronchial smooth muscle spasm;
- For a variety of allergic skin diseases such as urticaria, insect bites;
Also used for motion sickness, nausea and vomiting.

Packaging

25KG/fiber drum

Storage & Handling

Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed.
Normal measures for preventive fire protection.

Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

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230022 Anhui
China

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