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NLM Citation: LiverTox: Clinical and Research Information on Drug-Induced Liver Injury [Internet]. Bethesda (MD): National Institute of Diabetes and Digestive and Kidney Diseases; 2012-. Triprolidine. [Updated 2017 Jan 16].
Bookshelf URL: https://www.ncbi.nlm.nih.gov/books/

Triprolidine

Updated: January 16, 2017.

OVERVIEW

Introduction

Triprolidine is a first generation antihistamine that is used for symptoms of allergic rhinitis and the common cold and as a short acting sedative. Triprolidine has not been linked to instances of clinically apparent acute liver injury.

Background

Triprolidine (trye proe' li deen) is a first generation antihistamine that is used to treat the symptoms of the common cold, including sneezing, cough, runny note, watery eyes and itching. Triprolidine belongs to the ethanolamine class of antihistamines (with clemastine and dimenhydrinate) and is currently used largely in combination with pseudoephedrine in prescription or over-the-counter products for relief of symptoms of the common cold and allergic rhinitis. Representative brand names of products that include triprolidine include Aprodine and Silafed. The typical adult oral dose is 2.5 mg 3 to 4 times a day. Common side effects include sedation, impairment of motor function, confusion, dizziness, blurred vision, dry mouth and throat, palpitations, tachycardia, abdominal distress, constipation and headache. Antihistamines can worsen urinary retention and glaucoma.

Hepatotoxicity

Like most first generation antihistamines, triprolidine has not been linked to liver test abnormalities or to clinically apparent liver injury. The reason for its safety may relate its use in low dose for short periods only.

Likelihood score: E (unlikely to be a cause of clinically apparent liver injury).

References on the safety and potential hepatotoxicity of antihistamines are given together after the Overview section on Antihistamines.

Drug Class: Antihistamines

PRODUCT INFORMATION

REPRESENTATIVE TRADE NAMES

Triprolidine – Generic (in combination), Aprodine®, Silafed®

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DRUG CLASS

Antihistamines

COMPLETE LABELING

Product labeling at DailyMed, National Library of Medicine, NIH

CHEMICAL FORMULA AND STRUCTURE

DRUG	CAS REGISTRY NUMBER	MOLECULAR FORMULA	STRUCTURE
Triprolidine	486-12-4	C19-H22-N2