



## 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 nose, 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®

*Box continues on next page...*

Box continued from previous page.

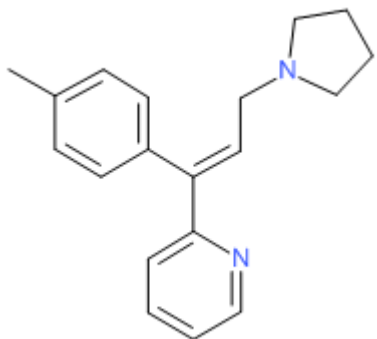
## DRUG CLASS

Antihistamines

## COMPLETE LABELING

Product labeling at DailyMed, National Library of Medicine, NIH

## CHEMICAL FORMULA AND STRUCTURE

DRUG	CAS REGISTRY NUMBER	MOLECULAR FORMULA	STRUCTURE
Tripolidine	486-12-4	C <sub>19</sub> H <sub>22</sub> N <sub>2</sub>	 The chemical structure of Tripolidine is shown. It consists of a central carbon atom double-bonded to a 4-methylphenyl ring and single-bonded to a pyridine ring. This central carbon is also single-bonded to a methylene group, which is further bonded to a nitrogen atom in a pyrrolidine ring.