



# Diphenhydramine [BSA] (DAG3109)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Diphenhydramine, BSA-Conjugated
<b>Species</b>	N/A
<b>Conjugate</b>	BSA
<b>Applications</b>	immunogen
<b>Concentration</b>	2.0 mg/mL
<b>Size</b>	1 mg
<b>Preservative</b>	None
<b>Storage</b>	2-8°C short term, -20°C long term

## BACKGROUND

### Introduction

Diphenhydramine (abbreviated DPH, sometimes DHM) is a first-generation antihistamine possessing anticholinergic, antitussive, antiemetic, and sedative properties which is mainly used to treat allergies. Like most other first-generation antihistamines, the drug also has a powerful hypnotic effect, and for this reason is often used as a non-prescription sleep aid; especially in the form of diphenhydramine citrate. It is produced and marketed under the trade name Benadryl by McNeil-PPC (a division of Johnson and Johnson) in the U.S., Canada and South Africa (other trade names in other countries: Dimedrol, Daedalon). It is also available as a generic or store brand medication. It is also found in the name-brand products Nytol, Unisom, Tylenol PM, Excedrin PM, Midol PM, Zzzquil and Advil PM, though some Unisom products contain doxylamine instead. It is available as an over-the-counter (OTC) or prescribed HCl injectable. It may also be used for the treatment of extrapyramidal side-effects of many antipsychotics, such as the tremors that haloperidol can cause. In addition, injectable diphenhydramine can be used for life-threatening reactions (anaphylaxis) to allergens such as

bee stings, peanuts, or latex, rather than risking the side-effects of epinephrine. It is a member of the ethanolamine class of antihistaminergic agents. Diphenhydramine was one of the first known antihistamines, invented in 1943 by Dr. George Rieveschl, a former professor at the University of Cincinnati. In 1946, it became the first prescription antihistamine approved by the U.S. Food and Drug Administration (FDA)

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**Keywords**

Diphenhydramine

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