

Product Name: Guanabenz acetate

CAS Number: 23256-50-0

IUPAC Name: [(2,6-Dichlorobenzylidene)amino]guanidine acetate

Catalog No.: 0885

Batch No.: 4

EC Number: 245-534-7

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₈H₈Cl₂N₄·CH₃CO₂H

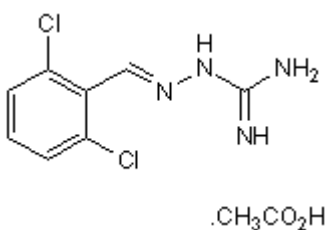
Batch Molecular Weight: 291.14

Physical Appearance: White solid

Solubility: DMSO to 75 mM

Storage: Store at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	41.26	4.15	19.24
Found	41.12	4.13	18.98

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

Product Name: Guanabenz acetate**Catalog No.:** 0885**Batch No.:** 4

CAS Number: 23256-50-0

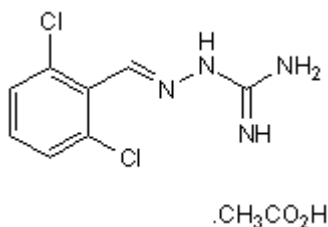
EC Number: 245-534-7

IUPAC Name: [(2,6-Dichlorobenzylidene)amino]guanidine acetate

Description: α_2 -adrenergic agonist and IGRS (imidazoline I₂ binding site) selective ligand.**Physical and Chemical Properties:**Batch Molecular Formula: C₈H₈Cl₂N₄.CH₃CO₂H

Batch Molecular Weight: 291.14

Physical Appearance: White solid

Minimum Purity: >98%**Batch Molecular Structure:****References:**Merck Index **12** 4585.**Holmes et al** (1983) Guanabenz. A review of its pharmacodynamic properties and therapeutic efficacy in hypertension. *Drugs* **26** 212. PMID: 6352237.**Michel and Insel** (1989) Are there multiple imidazoline binding sites? *Trends Pharmacol.Sci.* **10** 342. PMID: 2690423.**Evans and Anderson** (1995) Renal effects of infusion of rilmenidine and guanabenz in conscious dogs: contribution of peripheral and central nervous system α_2 -adrenoceptors. *Br.J.Pharmacol.* **116** 1557. PMID: 8564219.**Storage:** Store at RT**Solubility & Usage Info:**

DMSO to 75 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel: +1 612 379 2956