

Certificate of Analysis

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Product Name: W-9 hydrochloride

Catalog No.: 0370

Batch No.: 1

CAS Number: 69762-85-2

IUPAC Name: *N*-(6-Aminohexyl)-5-chloro-2-naphthalenesulfonamide hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₆H₂₁ClN₂O₂S.HCl

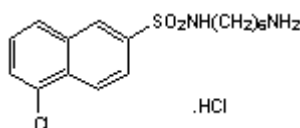
Batch Molecular Weight: 377.33

Physical Appearance: White solid

Solubility: ethanol to 25 mM

Storage: Store at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

¹H NMR: Consistent with structure

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

Product Name: W-9 hydrochloride

Catalog No.: 0370

Batch No.: 1

CAS Number: 69762-85-2

IUPAC Name: *N*-(6-Aminoethyl)-5-chloro-2-naphthalenesulfonamide hydrochloride

Description:

Calmodulin antagonist (inhibits calmodulin-activated PDE activity with an IC₅₀ of 72 μM).

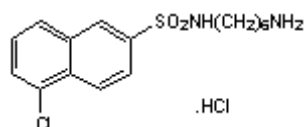
Physical and Chemical Properties:

Batch Molecular Formula: C₁₆H₂₁ClN₂O₂S.HCl

Batch Molecular Weight: 377.33

Physical Appearance: White solid

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

ethanol to 25 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.

References:

Hidaka et al (1979) Selective inhibitors of Ca²⁺-binding modulator of phosphodiesterase produce vascular relaxation and inhibit actin-myosin interaction. *Mol.Pharmacol.* **15** 49. PMID: 218093.

Hidaka et al (1981) *N*-(6-aminoethyl)-5-chloro-1-naphthalenesulfonamide, a calmodulin antagonist, inhibits cell proliferation. *Proc.Natl.Acad.Sci.U.S.A.* **78** 4354. PMID: 6945588.

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