

**Product Name:** NSC 624206

**Catalog No.:** 4993

**Batch No.:** 1

**CAS Number:** 13116-77-3

**IUPAC Name:** *N*-[2-[[[(4-Chlorophenyl)methyl]dithio]ethyl]-1-decanamine hydrochloride

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>19</sub>H<sub>32</sub>ClNS<sub>2</sub>.HCl

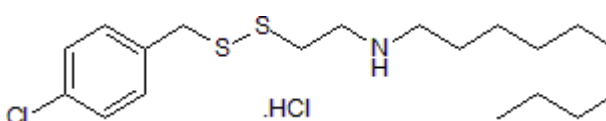
**Batch Molecular Weight:** 410.51

**Physical Appearance:** White solid

**Solubility:** DMSO to 50 mM  
ethanol to 20 mM

**Storage:** Store at -20°C

**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 98.4% purity

**<sup>1</sup>H NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	55.59	8.1	3.41
Found	55.76	8.17	3.45

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**Description:**

Ubiquitin-activating enzyme (E1) inhibitor; prevents tumour suppressor protein p27 ubiquitination in vitro. Blocks the ubiquitin-thioester formation step of the E1 activation reaction, but displays no effect on ubiquitin adenylation.

**Physical and Chemical Properties:**

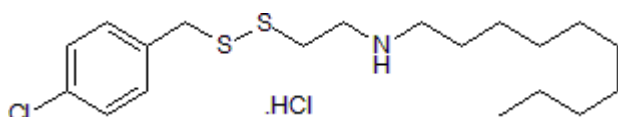
Batch Molecular Formula: C<sub>19</sub>H<sub>32</sub>ClNS<sub>2</sub>.HCl

Batch Molecular Weight: 410.51

Physical Appearance: White solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

DMSO to 50 mM

ethanol to 20 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:**

**Ungermannova et al** (2012) Identification and mechanistic studies of a novel ubiquitin E1 inhibitor. *J.Biomol.Screen.* **17** 421. PMID: 22274912.

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