



## CERTIFICATE OF ANALYSIS

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### 1. Identification

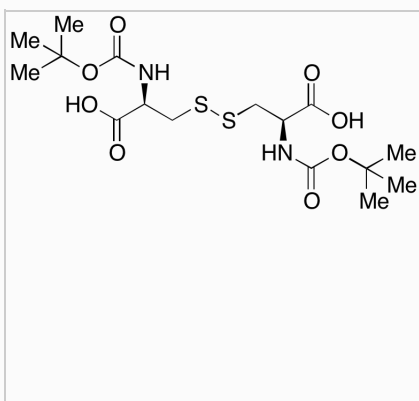
**Catalogue Number:** D421995

**CAS Number:** 10389-65-8

**Product:** N,N'-Di-BOC-L-cystine

**Synonym:** NSC 164046; (Boc-Cys-OH)<sub>2</sub>; N,N'-bis[(1,1-Dimethylethoxy)carbonyl]-L-cystine; N,N'-Dicarboxycystine N,N'-Di-tert-butyl Ester; N,N'-Bis(tert-butoxycarbonyl)-L-cysteine;

**Structure:**



**Molecular Formula:**

C<sub>16</sub>H<sub>28</sub>N<sub>2</sub>O<sub>8</sub>S<sub>2</sub>

**Molecular weight:**

440.53

**Source of Product:**

N/A

**Solubility:**

Acetic Acid (Sparingly,  
Heated) DMSO (Slightly,  
Sonicated), Methanol (Slightly)

**Lot Number:** 18-SBL-125-1

**Purity:** 98%

**Shipping Condition:** This Product Is Stable To Be  
Shipped At Room Temperature

**Storage Condition:** -20°C

### 2. Warning

**Warning 1:**

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

Tests:	Specifications:	Results:
Elemental Analysis	Conforms	%C; 43.63, %H: 6.68, %N: 6.25
Appearance	White to Off-White Solid	White Solid
NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	100.00% (205 nm)
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	-110.4° (c = 1.0, Acetic Acid)

**Additional Information:** N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

### 4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Evan Burns	Nicole Yip	Chanell Chu	9/10/2021	9/8/2025