



CERTIFICATE OF ANALYSIS

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1. Identification

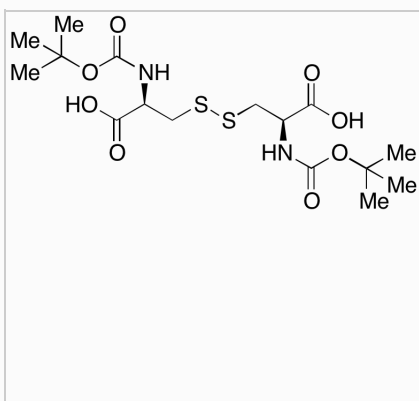
Catalogue Number: D421995

CAS Number: 10389-65-8

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

Synonym: NSC 164046; (Boc-Cys-OH)₂; 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:

C₁₆H₂₈N₂O₈S₂

Molecular weight:

440.53

Source of Product:

N/A

Solubility:

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

Lot Number: 20-SBL-169-1

Purity: 96%

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: 43.87, %H: 6.82, %N: 6.26
HPLC Purity	Report Result	96.99% (201 nm)
Specific Rotation	Report Result	-105.0° (c = 1.0, Acetic Acid)
Appearance	White to Off-White Solid	White Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms

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
Nicole Yip	Toni Rantanen	Chanell Chu	1/31/2022	1/29/2026