



## CERTIFICATE OF ANALYSIS

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### 1. Identification

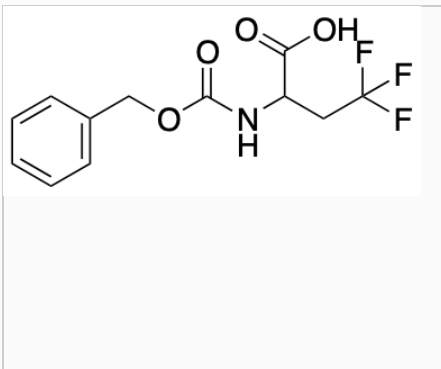
**Catalogue Number:** B188946

**CAS Number:** 287210-85-9

**Product:** 2-[(Benzyloxycarbonyl)amino]-4,4,4-trifluorobutanoic Acid (>80%)

**Synonym:** 4,4,4-Trifluoro-2-[[[(phenylmethoxy)carbonyl]amino]butanoic Acid

**Structure:**



**Molecular Formula:**

C<sub>12</sub>H<sub>12</sub>F<sub>3</sub>NO<sub>4</sub>

**Molecular weight:**

291.22

**Source of Product:**

N/A

**Solubility:**

Chloroform (Sparingly),  
DMSO (Slightly, Sonicated)

**Lot Number:** 18-SBL-70-1

**Purity:** >80%

**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:
Specific Rotation	Report Result	-0.5° (c = 0.2, Methanol)
Appearance	Pale Yellow to Light Yellow Solid	Pale Yellow to Light Yellow Solid
Elemental Analysis	Conforms	%C: 47.88, %H: 4.06, %N: 5.03
NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	85.88% (210 nm)
MS	Conforms to Structure	Conforms
F NMR	Conforms to Structure	Conforms
C NMR	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**

Evan Burns

Toni Rantanen

Chanell Chu

9/30/2021

9/28/2025

Evan Burns