

## 1. Identification

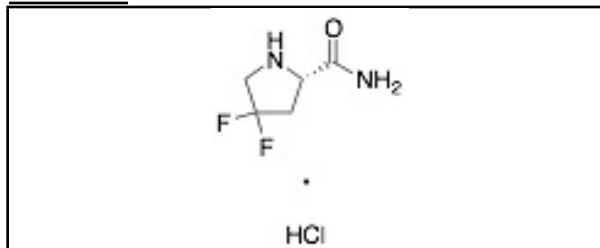
**Catalogue Number**

TRC-D451325

**Lot Number**

6-CAL-10-1

**Structure**



**Product Name**

4,4-Difluoro-L-prolinamide Hydrochloride

**Synonyms**

(2S)-2-Aminocarbonyl-4,4-difluoropyrrolidine Hydrochloride; (2S)-4,4-Difluoro-2-pyrrolidinecarboxamide Hydrochloride; (S)-4,4-Difluoropyrrolidine-2-carboxamide Hydrochloride;

**CAS Number**

426844-51-1

**Solubility**

DMSO (Slightly), Methanol (Slightly)

**Shipping Condition**

This Product Is Stable To Be Shipped At Room Temperature

**Molecular Formula**

C<sub>5</sub>H<sub>9</sub>ClF<sub>2</sub>N<sub>2</sub>O

**Source of Product**

N/A

**Long Term Storage Conditions**

-20°C, Hygroscopic

**Molecular Weight**

186.59

**Purity**

95%

## 2. Warnings

Hygroscopic

## 3. Analytical Information

**Tests**

Appearance

**Specifications**

Pale Grey to Light Grey Solid

**Results**

Light Grey Solid

NMR

Conforms to Structure

Conforms

F NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 32.34, %H: 4.56, %N: 14.85

MS

Conforms to Structure

Conforms

Chloride Content

Report Result

19.3%

Specific Rotation

Report Result

-40.3° (c = 0.5, Methanol)

### Additional Information

TLC Conditions: SiO<sub>2</sub>; Dichloromethane : Methanol = 9 : 1; Visualized with UV and KMnO<sub>4</sub>; Single Spot, R<sub>f</sub> = 0.30.

Elemental Analysis: (Theoretical) %C: 32.19, %H: 4.86, %N: 15.01

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**

Xhoana Gjergji

Product Quality Specialist

**Reviewed by**

Toni Rantanen

Manager, Quality Assurance

**C of A Approved by**

My Nguyen

Quality Assurance Associate

**Test Date**

12/16/2019

**Retest Date**

12/14/2023