

CERTIFICATE OF ANALYSIS

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1. Identification

Structure:

Catalogue A470403 CAS Number: 1820579-48-3 Number

Synonym: Product: H-D-Ala-D-Leu-OH TFA Salt

Molecular Formula:

C9H18N2O3 • C2HF3O2

Molecular weight:

316.27

Source of Product:

N/A Solubility:

DMSO (Slightly), Methanol

(Slightly)

Purity: Lot Number: 2023-GHZ-028 98%

This Product Is Stable To Be Shipped At Shippina

Storage Condition:

4°C Condition: Room Temperature

Warning 1: Warning 2: Warning 3:

3. Analytical Information

2. Warning

Tests: Specifications: Results: White to Off-White Solid White Solid **Appearance NMR** Conforms to Structure Conforms

Elemental Analysis Conforms %C: 41.40, %H: 6.05, %N: 8.84

HPLC Purity Report Result 99.88% (ELSD)

MS Conforms to Structure Conforms

 $+9.6^{\circ}$ (c = 0.2, Methanol) Specific Rotation Report Result

F NMR Conforms to Structure Conforms

Additional Information:

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

C of A Approved **Reviewed By Reviewed By Test Date Retest Date**

Toni Rantanen Chanell Chu Henry Tieu 2/6/2027 2/8/2023