



## CERTIFICATE OF ANALYSIS

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### 1. Identification

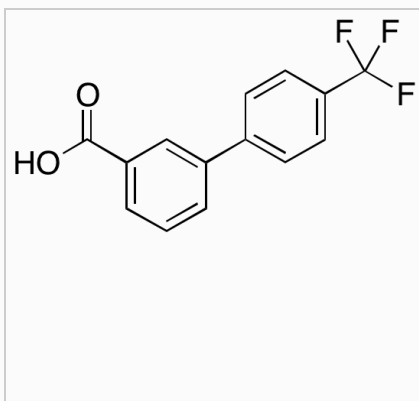
**Catalogue Number:** T779095

**CAS Number:** 199528-28-4

**Product:** 4'-(Trifluoromethyl)-3-biphenylcarboxylic Acid

**Synonym:** 4'-(Trifluoromethyl)[1,1'-biphenyl]-3-carboxylic Acid; 3-(4-Trifluoromethylphenyl)benzoic Acid;

**Structure:**



**Molecular Formula:**

C<sub>14</sub>H<sub>9</sub>F<sub>3</sub>O<sub>2</sub>

**Molecular weight:**

266.22

**Source of Product:**

N/A

**Solubility:**

Aqueous Base (Slightly),  
DMSO (Slightly), Methanol  
(Slightly)

**Lot Number:** 14-QIU-132-1

**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:                        |
|--------------------|--------------------------------|---------------------------------|
| Appearance         | Off-White to Light Brown Solid | Pale Brown to Light Brown Solid |
| NMR                | Conforms to Structure          | Conforms                        |
| F NMR              | Conforms to Structure          | Conforms                        |
| Elemental Analysis | Conforms                       | %C: 62.91, %H: 3.39             |
| HPLC Purity        | Report Result                  | 99.75% (260 nm)                 |
| 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 |
|-------------|---------------|--------------------|-----------|-------------|
| Neha Khanna | Toni Rantanen | Chanell Chu        | 4/11/2022 | 4/9/2026    |