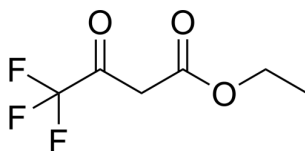


## Certificate of Analysis

### Compound Information

|                            |   |
|----------------------------|---|
| <b>Product Name:</b>       | Ethyl 4,4,4-trifluoroacetoacetate                           |
| <b>Cat. No.:</b>           | 1031106   |
| <b>CAS No.:</b>            | 372-31-6  |
| <b>Molecular Formula:</b>  | C <sub>6</sub> H <sub>7</sub> F <sub>3</sub> O <sub>3</sub> |
| <b>Molecular Weight:</b>   | 184.11  |
| <b>Chemical Structure:</b> |   |



### Batch Information

|                     |                     |
|---------------------|---------------------|
| <b>Batch No.:</b>   | Lg0414236934        |
| <b>Storage:</b>     | Storage temp. 2-8°C |
| <b>Test Date:</b>   | 2023-04-14          |
| <b>Retest Date:</b> | 2026-04-13          |
| <b>Origin:</b>      | Shanghai, China     |

### QC Summary

|                                    |   |
|------------------------------------|---|
| <b>Appearance:</b>                 | Colorless to light yellow (Liquid)                                      |
| <b><sup>1</sup>H NMR Spectrum:</b> | Consistent with structure   |
| <b>Purity (NMR):</b>               | ≥95.0%  |
| <b>Water(KF):</b>                  | 0.22%   |
| <b>Conclusion:</b>                 | The product has been tested and complies with the given specifications. |

Caution: Research use only and are not intended for human use.

Tel: 400-821-0725

E-mail: [product@leyan.com](mailto:product@leyan.com)

Address: No. 1999 Zhangheng Road, Building 3, Zhangjiang High-Tech Park, Shanghai