

# Certificate of Analysis

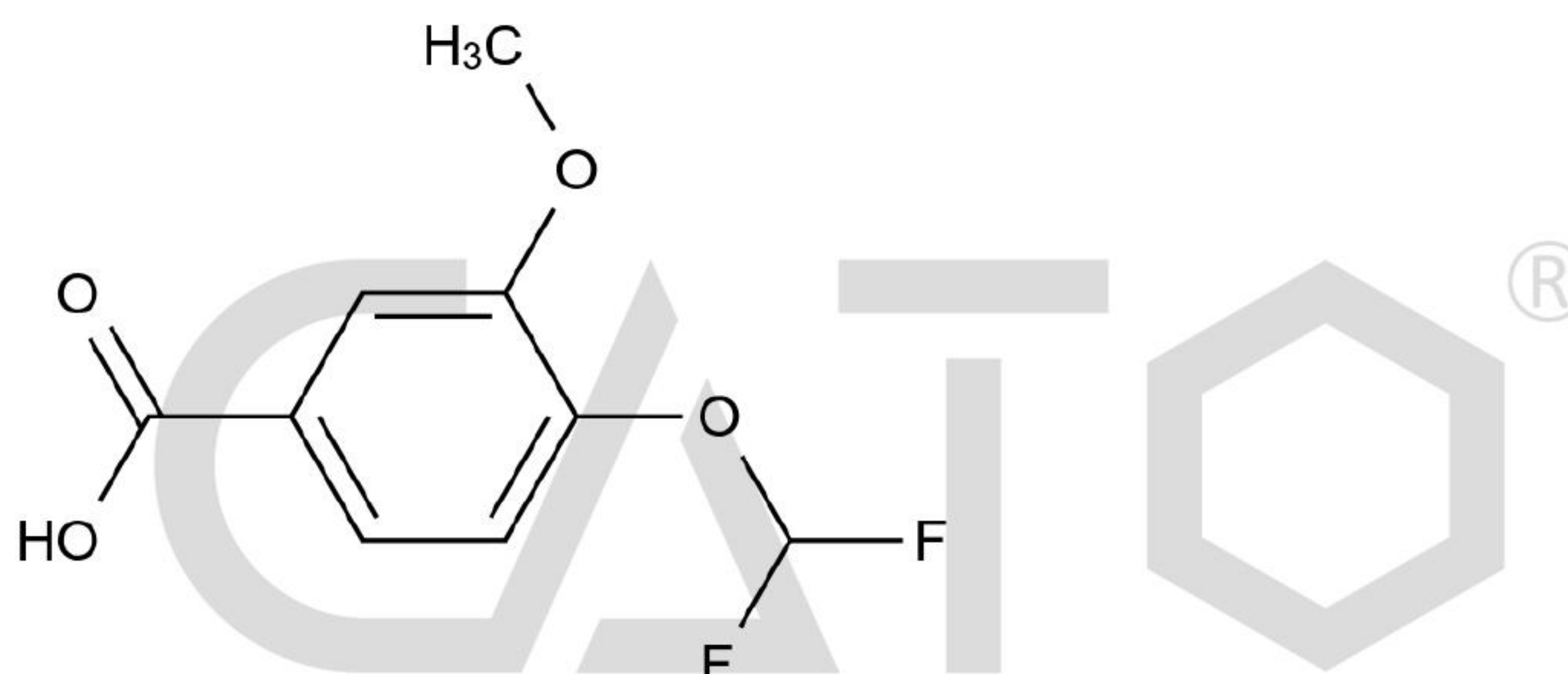
## Reference Material & Standard

|                           |                                                             |                          |                                           |
|---------------------------|-------------------------------------------------------------|--------------------------|-------------------------------------------|
| <b>Product Name:</b>      | 4-(Difluoromethoxy)-3-methoxybenzoic acid                   | <b>Catalogue Number:</b> | C1354564                                  |
| <b>Synonyms:</b>          | N/A                                                         | <b>Lot Number:</b>       | 0908-RG-0094                              |
| <b>CAS Number:</b>        | 162401-59-4                                                 | <b>Expiry Date:</b>      | Sep 09, 2029                              |
| <b>Molecular Formula:</b> | C <sub>9</sub> H <sub>8</sub> F <sub>2</sub> O <sub>4</sub> | <b>Storage:</b>          | 2°C ~ 8°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 218.15                                                      |                          |                                           |

Warning:



Chemical Structure:



| Test Items     | Method            | Results     |
|----------------|-------------------|-------------|
| Appearance     | Visual inspection | White Solid |
| Identification | LCMS&IR&UV&HNMR   | Confirmed   |
| Purity         | HPLC              | 99.929%     |
| Loss On Drying | TGA               | 0.1485%     |
| Assay          |                   | 99.8%       |

## Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss On Drying) \* Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

*Nice*

Reviewed by:

*Koi*

Approved by General Manager:

*David*

Date: Sep 10, 2025

Date: Sep 10, 2025

Date: Sep 10, 2025



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

