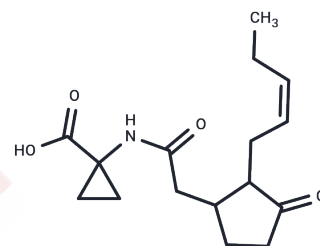


## JA-ACC

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 371778-55-1   |
| Formula:          | C <sub>16</sub> H <sub>23</sub> NO <sub>4</sub>   |
| Molecular Weight: | 293.36  |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



## Biological Description

|               |   |
|---------------|---|
| Description   | Jasmonyl-ACC (JA-ACC), a derivative of 1-aminocyclopropane-1-carboxylic acid (ACC)–the direct precursor to ethylene–impedes root growth in Arabidopsis, with this effect being independent of jasmonic acid (JA) signaling [1]. |
| Targets(IC50) | Others  |
| In vitro      | JA-ACC (Jasmonyl-ACC) acts as a key modulator in the hormonal interplay between the ethylene and jasmonic acid pathways [1].  |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.4088 mL | 17.0439 mL | 34.0878 mL |
| 5 mM  | 0.6818 mL | 3.4088 mL  | 6.8176 mL  |
| 10 mM | 0.3409 mL | 1.7044 mL  | 3.4088 mL  |
| 50 mM | 0.0682 mL | 0.3409 mL  | 0.6818 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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