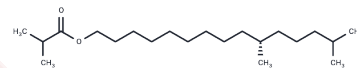


## (R)-10,14-Dimethylpentadecyl isobutyrate

## Chemical Properties

CAS No. : 164260-03-1  
 Formula: C<sub>21</sub>H<sub>42</sub>O<sub>2</sub>  
 Molecular Weight: 326.56  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

|             |   |
|-------------|---|
| Description | (R)-10,14-Dimethylpentadecyl isobutyrate ((R)-10Me 14Me-15:iBu), isolated from the tea tussock moth, serves as a female sex pheromone and exhibits insect electroantennographic (EGA) activity. |
|-------------|---|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.0622 mL | 15.3111 mL | 30.6222 mL |
| 5 mM  | 0.6124 mL | 3.0622 mL  | 6.1244 mL  |
| 10 mM | 0.3062 mL | 1.5311 mL  | 3.0622 mL  |
| 50 mM | 0.0612 mL | 0.3062 mL  | 0.6124 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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