

## Fructose-leucine

## Chemical Properties

CAS No. : 34393-18-5  
 Formula: C<sub>12</sub>H<sub>23</sub>N<sub>0</sub>O<sub>7</sub>  
 Molecular Weight: 293.31  
 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   | Fructose-leucine (Fru-Leu) is an Amadori compound that can be detected in tobacco and serves as an aroma precursor formed during the initial stages of the Maillard reaction. |
| Targets(IC50) | Endogenous Metabolite   |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.4094 mL | 17.0468 mL | 34.0936 mL |
| 5 mM  | 0.6819 mL | 3.4094 mL  | 6.8187 mL  |
| 10 mM | 0.3409 mL | 1.7047 mL  | 3.4094 mL  |
| 50 mM | 0.0682 mL | 0.3409 mL  | 0.6819 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.

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