

## D-γ-Glutamyl-D-glutamic acid acetate

## Chemical Properties

CAS No. :

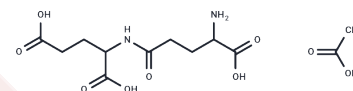
Formula: C<sub>12</sub>H<sub>20</sub>N<sub>2</sub>O<sub>9</sub>

Molecular Weight: 336.29

Keep away from moisture

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   | D-γ-Glutamyl-D-glutamic acid acetate is a poly(γ-glutamic acid) of clusters of D- and D-glutamic acid repeating units in a linear chain. |
| Targets(IC50) | Others   |

## Solubility Information

|            |  |
|------------|--|
| Solubility | DMSO: 10 mM, Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.9736 mL | 14.8681 mL | 29.7362 mL |
| 5 mM  | 0.5947 mL | 2.9736 mL  | 5.9472 mL  |
| 10 mM | 0.2974 mL | 1.4868 mL  | 2.9736 mL  |
| 50 mM | 0.0595 mL | 0.2974 mL  | 0.5947 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.

## Reference

Wang F, et al. Microstructure of poly(γ-glutamic acid) produced by *Bacillus subtilis* consisting of clusters of D- and L-glutamic acid repeating units. *J Agric Food Chem.* 2008 Jun 11;56(11):4225-8.

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