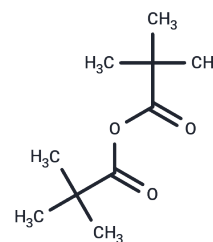


Trimethylacetic anhydride

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 1538-75-6 |
| Formula: | C ₁₀ H ₁₈ O ₃ |
| Molecular Weight: | 186.25 |
| Storage: | Pure form: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA. |



Biological Description

| | |
|---------------|---|
| Description | Trimethylacetic anhydride (Pivalic anhydride) is used as medical intermediate |
| Targets(IC50) | Others |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 50 mg/mL (268.46 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 5.3691 mL | 26.8456 mL | 53.6913 mL |
| 5 mM | 1.0738 mL | 5.3691 mL | 10.7383 mL |
| 10 mM | 0.5369 mL | 2.6846 mL | 5.3691 mL |
| 50 mM | 0.1074 mL | 0.5369 mL | 1.0738 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

Shiina I, et al. Chemistry. 2010 Jan 4;16(1):167-72.

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