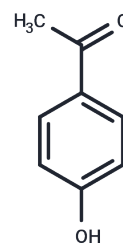


4-Hydroxyacetophenone

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 99-93-4 |
| Formula: | C ₈ H ₈ O ₂ |
| Molecular Weight: | 136.15 |
| Appearance: | no data available |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year |



Biological Description

| | |
|---------------|--|
| Description | 4-Hydroxyacetophenone (4-Acetylphenol) is a potent xanthine oxidase inhibitor. |
| Targets(IC50) | HBV,Xanthine Oxidase |

Solubility Information

| | |
|------------|--|
| Solubility | DMSO: 55 mg/mL (403.97 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 7.3448 mL | 36.7242 mL | 73.4484 mL |
| 5 mM | 1.469 mL | 7.3448 mL | 14.6897 mL |
| 10 mM | 0.7345 mL | 3.6724 mL | 7.3448 mL |
| 50 mM | 0.1469 mL | 0.7345 mL | 1.469 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.

Reference

- Chu YH,et al.Inhibition of xanthine oxidase by Rhodiola crenulata extracts and their phytochemicals. 2014 Apr 30; 62(17):3742-9.
- Tibbetts Km,et al.Controlling dissociation of alkyl phenyl ketone radical cations in the strong-field regime through hydroxyl substitution position. 2014 Sep 18;118(37).8170-6.

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