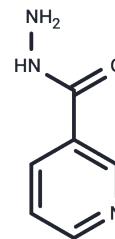


Nicotinic acid hydrazide

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 553-53-7 |
| Formula: | C ₆ H ₇ N ₃ O |
| Molecular Weight: | 137.14 |
| 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 | Nicotinic acid hydrazide (NAH) is a hydrazide derivative of nicotinic acid, a heterocyclic organic compound. It is a peroxidase inhibitor and can form solid metal complexes with strong biological activity. |
| Targets(IC50) | Others |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 50 mg/mL (364.59 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 7.2918 mL | 36.4591 mL | 72.9182 mL |
| 5 mM | 1.4584 mL | 7.2918 mL | 14.5836 mL |
| 10 mM | 0.7292 mL | 3.6459 mL | 7.2918 mL |
| 50 mM | 0.1458 mL | 0.7292 mL | 1.4584 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

Kruszynski R, et al. Acta Crystallogr C. 2011 Feb;67(Pt 2):o52-6.

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