# N'-Phenylacetohydrazide

**Cat. No.:** HY-W017425

**CAS No.:** 114-83-0

**Molecular Formula:** $C_8H_{10}N_2O$

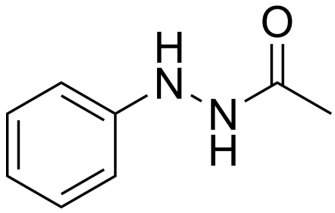
**Molecular Weight:** 150.18

**Target:** Biochemical Assay Reagents

**Pathway:** Others

**Storage:**

| | | |
|---|---|---|
| Powder | -20°C | 3 years |
| | 4°C | 2 years |
| In solvent | -80°C | 6 months |
| | -20°C | 1 month |



## SOLVENT & SOLUBILITY

**In Vitro**

Ethanol : 100 mg/mL (665.87 mM; Need ultrasonic)
DMSO : 100 mg/mL (665.87 mM; Need ultrasonic)

**Preparing Stock Solutions**

| Solvent / Mass / Concentration | 1 mg | 5 mg | 10 mg |
|---|---|---|---|
| 1 mM | 6.6587 mL | 33.2934 mL | 66.5868 mL |
| 5 mM | 1.3317 mL | 6.6587 mL | 13.3174 mL |
| 10 mM | 0.6659 mL | 3.3293 mL | 6.6587 mL |

Please refer to the solubility information to select the appropriate solvent.

**In Vivo**

1. Add each solvent one by one: 10% EtOH >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (16.65 mM); Clear solution
2. Add each solvent one by one: 10% EtOH >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (16.65 mM); Clear solution
3. Add each solvent one by one: 10% EtOH >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (16.65 mM); Clear solution

## BIOLOGICAL ACTIVITY

**Description**

N'-Phenylacetohydrazide consists of a phenyl group attached to the acetylhydrazide functional group via a hydrazine bond. This compound is commonly used as a reagent in organic chemistry for the determination of carbonyl compounds such as aldehydes and ketones.

**In Vitro**

N'-Phenylacetohydrazide is a biochemical reagent that can be used as a biological material or organic compound for life science related research.

| | |
|---|---|
| | MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA