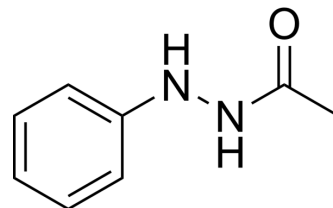


N'-Phenylacetohydrazide

Cat. No.:	HY-W017425
CAS No.:	114-83-0
Molecular Formula:	C ₈ H ₁₀ N ₂ O
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)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	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

- 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
- 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
- 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.

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