

## Dibenzylamine

## Chemical Properties

CAS No. : 103-49-1

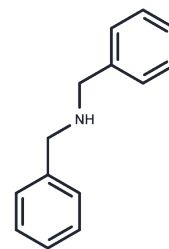
Formula: C<sub>14</sub>H<sub>15</sub>N

Molecular Weight: 197.28

Keep away from direct sunlight

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	Dibenzylamine (N-Benzylbenzylamine) is a part of potent neurogenic agent.
Targets(IC <sub>50</sub> )	Others

## Solubility Information

Solubility	DMSO: 50 mg/mL (253.45 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.0689 mL	25.3447 mL	50.6894 mL
5 mM	1.0138 mL	5.0689 mL	10.1379 mL
10 mM	0.5069 mL	2.5345 mL	5.0689 mL
50 mM	0.1014 mL	0.5069 mL	1.0138 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

Kida M, et al. Pseudorotaxanes in the gas phase: structure and energetics of protonated dibenzylamine-crown ether complexes. *Phys Chem Chem Phys*. 2018 Jun 29.

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Wang J, et al. Novel cinnamamide-dibenzylamine hybrids: Potent neurogenic agents with antioxidant, cholinergic, and neuroprotective properties as innovative drugs for Alzheimer's disease. *Eur J Med Chem*. 2017 Oct 20;139:68-83.

Arndt A, et al. New iminodibenzyl derivatives with anti-leishmanial activity. *J Inorg Biochem*. 2017 Jul;172:9-15.

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