

## 1-Phenyloctane

## Chemical Properties

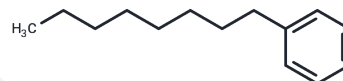
CAS No. : 2189-60-8

Formula: C<sub>14</sub>H<sub>22</sub>

Molecular Weight: 190.32

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	1-Phenyloctane enhances the liquid-phase exfoliation of graphene in organic solvents.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 55 mg/mL (288.99 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	5.2543 mL	26.2715 mL	52.5431 mL
5 mM	1.0509 mL	5.2543 mL	10.5086 mL
10 mM	0.5254 mL	2.6272 mL	5.2543 mL
50 mM	0.1051 mL	0.5254 mL	1.0509 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

Haar S, et al. Enhancing the Liquid-Phase Exfoliation of Graphene in Organic Solvents upon Addition of n-Octylbenzene. Sci Rep. 2015 Nov 17;5:16684.

Liqiang Zhang, et al. Research on the thermochemical conversion utilization of nitrogen-rich microalgae: Two-step catalytic pyrolysis of Nannochloropsis sp over ZSM-5. Energy Conversion and Management. Volume 258, 2022, 115475.

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