

1,4-Diphenylbutadiyne

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 886-66-8 |
| Formula: | C ₁₆ H ₁₀ |
| Molecular Weight: | 202.25 |
| 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 | 1,4-Diphenylbutadiyne is a conjugated diyne and aromatic compound widely used in biochemical experiments and drug synthesis research. |
| Targets(IC50) | Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 4.9444 mL | 24.7219 mL | 49.4438 mL |
| 5 mM | 0.9889 mL | 4.9444 mL | 9.8888 mL |
| 10 mM | 0.4944 mL | 2.4722 mL | 4.9444 mL |
| 50 mM | 0.0989 mL | 0.4944 mL | 0.9889 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

Zhang P, et al. Distance-Selected Topochemical Dehydro-Diels-Alder Reaction of 1,4-Diphenylbutadiyne toward Crystalline Graphitic Nanoribbons. J Am Chem Soc. 2020 Oct 14;142(41):17662-17669.

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