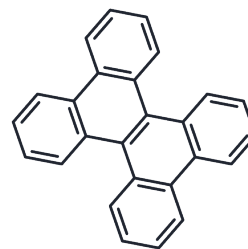


## Dibenzo[g,p]chrysene

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 191-68-4  |
| Formula:          | C <sub>26</sub> H <sub>16</sub>   |
| Molecular Weight: | 328.41  |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



## Biological Description

|               |  |
|---------------|--|
| Description   | Dibenzo[g,p]chrysene is a large, planar polycyclic aromatic hydrocarbon (PAH) belonging to a unique class of extended pi-conjugated systems, which exhibits promising electronic properties such as effective hole transport characteristics, making it a candidate material for application in organic electronics, particularly as an active layer in thin-film transistors functioning as a hole transporting material. |
| Targets(IC50) | Others   |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.045 mL  | 15.2249 mL | 30.4497 mL |
| 5 mM  | 0.609 mL  | 3.045 mL   | 6.0899 mL  |
| 10 mM | 0.3045 mL | 1.5225 mL  | 3.045 mL   |
| 50 mM | 0.0609 mL | 0.3045 mL  | 0.609 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

Kojima H, et al. Giant Seebeck Effect of Dibenzo[g,p]chrysene and its Derivatives: Deuteration and Substituent Effects and Relationship with Interlayer Distance. Chem Asian J. 2025 May 15;20(10):e202401692.

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