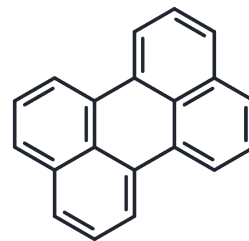


## Perylene

## Chemical Properties

CAS No. :	198-55-0
Formula:	C <sub>20</sub> H <sub>12</sub>
Molecular Weight:	252.31
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	Perylene is a polycyclic aromatic hydrocarbon (PAH) composed of multiple fused benzene rings, used as a photosensitizer and fluorescent probe, widely applied in biochemical experiments and drug synthesis research.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 1 mg/mL (3.96 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	3.9634 mL	19.8169 mL	39.6338 mL
5 mM	0.7927 mL	3.9634 mL	7.9268 mL
10 mM	0.3963 mL	1.9817 mL	3.9634 mL
50 mM	0.0793 mL	0.3963 mL	0.7927 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

Zhao Z, et al. Perylene diimide-based treatment and diagnosis of diseases. J Mater Chem B. 2021 Nov 10;9(43): 8937-8950.

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