

Product Data Sheet

Product Name: Pyrene
Cat. No.: GC19691

Chemical Properties

Cas. No. 129-00-0

SMILES C12=CC=C3C(C(C=C4)=CC=C3)=C1C4=CC=C2

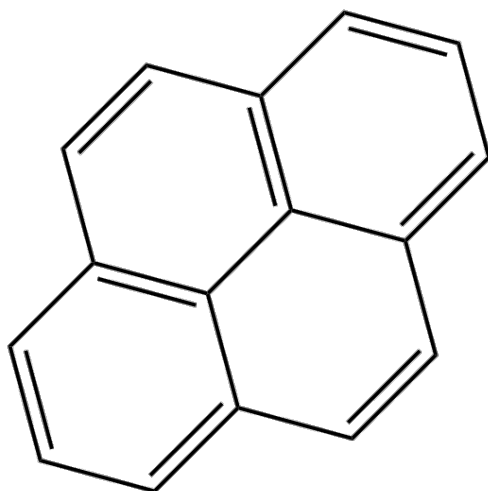
Formula $C_{16}H_{10}$ M.Wt 202.25

Solubility DMSO : 25 mg/mL (123.61 mM; Need ultrasonic) Storage RT, protect from light

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Pyrene is a polycyclic aromatic hydrocarbon (PAH) composed of four fused benzene rings. It has a distinct aromatic odor, produced by incomplete combustion of organic matter. Pyrene exhibits strong fluorescence, emitting in the blue region of the spectrum, making it useful as a probe for studying molecular interactions in solution and on surfaces. Pyrene is also used as a model compound for the study of PAHs in various environments and biological systems because of its ubiquity in these environments. However, long-term exposure to pyrene has been associated with potential health

Caution: Product has not been fully validated for medical applications. For research use only.

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risks, including carcinogenicity and mutagenicity.

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