

## Picene

## Chemical Properties

|                   |  |
|-------------------|--|
| CAS No. :         | 213-46-7   |
| Formula:          | C <sub>22</sub> H <sub>14</sub>  |
| Molecular Weight: | 278.35   |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br><small>Actual storage temperature shall be subject to the COA.</small> |

## Biological Description

|               |  |
|---------------|--|
| Description   | Picene is an ortho-fused polycyclic aromatic hydrocarbon (PAH) comprising five fused benzene rings. It exhibits carcinogenic properties and inhibits gap-junctional intercellular communication. |
| Targets(IC50) | Others   |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg      |
|-------|-----------|-----------|-----------|
| 1 mM  | 3.5926 mL | 17.963 mL | 35.926 mL |
| 5 mM  | 0.7185 mL | 3.5926 mL | 7.1852 mL |
| 10 mM | 0.3593 mL | 1.7963 mL | 3.5926 mL |
| 50 mM | 0.0719 mL | 0.3593 mL | 0.7185 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

Platt KL, et al. Microsomal metabolism of picene. Chem Biol Interact. 1988;66(3-4):157-75.

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