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## Typical Product Specifications & Properties

# BENZO(E)ACEPHENANTHRYLENE

CAS Number: : 205-99-2

| Specifications               | Limits   |
|------------------------------|--|
| Molecular weight             | 252.31   |
| EINECS                       | 205-911-9  |
| SMILES                       | <chem>c12c3c4ccccc4c1cccc2c1ccccc1c3</chem>  |
| InChI                        | FTOVXSOBNPWTSH-UHFFFAOYSA-N  |
| InChIKey                     | 1S/C20H12/c1-2-7-14-13(6-1)12-19-16-9-4-3-8-15(16)18-11-5-10-17(14)20(18)19/h1-12H |
| Atmospheric OH Rate Constant | 1.86E-11 cm <sup>3</sup> /molecule-sec   |
| Melting Point                | 168 &deg; C  |
| Water solubility             | 0.0015 mg/L  |
| log P (octanol-water)        | 5.78   |
| Henry's Law Constant         | 6.57E-07 atm-m <sup>3</sup> /mole  |
| Vapor Pressure               | 5.00E-07 mm Hg   |
| Stability                    | Stable. Incompatible with strong oxidizing agents.                                 |



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| Specifications      | Limits  |
|---------------------|---|
| Boiling Point       | 481&deg;C   |
| Storage Temperature | APPROX 4&deg;C  |
| Flash Point         | -18 &deg;C  |
| Melting Point       | 163-165 &deg;C  |
| Chemical Structure  |  146923 146923_benzo-e-acephenanthrylene.png<br>chemical structure |



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