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Typical Product Specifications & Properties

Dysprosium Monoxide

CAS Number: : 12175-28-9

| Specifications | Limits |
|------------------------------|---|
| Molecular weight | 178.50 |
| Molecular weight | 330.36 |
| InChI | 1S/C10H19O6PS2/c1-5-15-9(11)7-8(10(12)16-6-2)19-17(18,13-3)14-4/h8H,5-7H2,1-4H3 |
| InChIKey | JXSJBGJIGXNWCI-UHFFFAOYSA-N |
| Atmospheric OH Rate Constant | 7.74E-11 cm ³ /molecule-sec |
| Henry's Law Constant | 4.89E-09 atm-m ³ /mole |
| Melting Point | 2.8 ° C |
| Vapor Pressure | 3.38E-06 mm Hg |
| log P (octanol-water) | 2.36 |
| Water solubility | 143 mg/L |
| Water solubility | 0.0145 g/100 mL |
| Stability | Stable. Incompatible with oxidizing agents, metals. |



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| Specifications | Limits |
|---------------------|----------------|
| Flash Point | -18 °C |
| Density | 1.2076 |
| Boiling Point | 156°C |
| Storage Temperature | APPROX 4°C |
| Melting Point | 2.85°C |



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