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## Typical Product Specifications & Properties

# 4,4'-Dinitrobiphenyl

CAS Number: : 1528-74-1

| Specifications               | Limits                                                                 |
|------------------------------|------------------------------------------------------------------------|
| Molecular weight             | 244.20                                                                 |
| EINECS                       | 216-210-2                                                              |
| SMILES                       | <chem>c1(c2ccc([N+](=O)[O-])cc2)ccc([N+](=O)[O-])cc1</chem>            |
| InChI                        | 1S/C12H8N2O4/c15-13(16)11-5-1-9(2-6-11)10-3-7-12(8-4-10)14(17)18/h1-8H |
| InChIKey                     | BDLNCFCZHNKBGI-UHFFFAOYSA-N                                            |
| log P (octanol-water)        | 3.390                                                                  |
| Henry's Law Constant         | 6.44E-09 atm-m3/mole                                                   |
| Water solubility             | 13.2 mg/L                                                              |
| Atmospheric OH Rate Constant | 6.24E-13 cm3/molecule-sec                                              |
| Melting Point                | 242&deg;C                                                              |



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