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## Typical Product Specifications & Properties

# Basic Violet 10

CAS Number: : 81-88-9

| Specifications               | Limits                                                                                                                                          |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Molecular weight             | 479.01                                                                                                                                          |
| EINECS                       | 201-383-9                                                                                                                                       |
| InChI                        | 1S/C28H30N2O3.ClH/c1-5-29(6-2)19-13-15-23-25(17-19)33-26-18-20(30(7-3)8-4)14-16-24(26)27(23)21-11-9-10-12-22(21)28(31)32;/h9-18H,5-8H2,1-4H3;1H |
| InChIKey                     | PYWVYCXTNDRMGF-UHFFFAOYSA-N                                                                                                                     |
| Atmospheric OH Rate Constant | 2.37E-10 cm <sup>3</sup> /molecule-sec                                                                                                          |
| Vapor Pressure               | 1.89E-19 mm Hg                                                                                                                                  |
| Melting Point                | 165 &deg; C                                                                                                                                     |
| log P (octanol-water)        | 1.95                                                                                                                                            |
| Water solubility             | 1.20E+04 mg/L                                                                                                                                   |
| Solubility                   | H2O: soluble 1mg/mL                                                                                                                             |
| Merck                        | 14,8183                                                                                                                                         |
| Melting Point                | 210-211 (dec.)                                                                                                                                  |



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| Specifications      | Limits                                             |
|---------------------|----------------------------------------------------|
| Stability           | Stable. Incompatible with strong oxidizing agents. |
| Storage Temperature | Store at room temperature.                         |
| Color               | Green                                              |
| Form                | Solid                                              |
| Colour Index        | 45170                                              |
| Water solubility    | SOLUBLE                                            |
| Flash Point         | 12 &deg;C                                          |
| BRN Number          | 4119648                                            |
| Density             | 0.79 g/mL at 20 &deg;C                             |



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