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## Typical Product Specifications & Properties

# Guanosine

CAS Number: : 118-00-3

| Specifications      | Limits                                                                                                                             |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Molecular weight    | 235.24                                                                                                                             |
| EINECS              | 204-227-8                                                                                                                          |
| SMILES              | <chem>NC1=NC2N(cnc2C(=O)N1)[C@@H]3O[C@H](CO)[C@@H](O)[C@H]3O</chem>                                                                |
| InChI               | 1S/C10H13N5O5/c11-10-13-7-4(8(19)14-10)12-2-15(7)9-6(18)5(17)3(1-16)20-9/h2-3,5-6,9,16-18H,1H2,(H3,11,13,14,19)/t3-,5-,6-,9-/m1/s1 |
| InChIKey            | NYHBQMYGNKIUIF-UUOKFMHZSA-N                                                                                                        |
| Merck               | 14,4566                                                                                                                            |
| Storage Temperature | Store at room temperature.                                                                                                         |
| Solubility          | 0.1 M NaOH: 0.1 g/mL, clear, slightly yellow                                                                                       |
| Water solubility    | 0.75 g/L (25 °C)                                                                                                                   |
| Alpha               | -62 ° (c=3, in 0.1 N NaOH)                                                                                                         |
| Refractive Index    | -76 &deg; (C=1, 1mol/L NaOH)                                                                                                       |
| BRN Number          | 625911                                                                                                                             |



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| Specifications | Limits            |
|----------------|-------------------|
| Melting Point  | 250 &deg;C (dec.) |



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