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## Typical Product Specifications & Properties

# Phenyl beta-D-galactopyranoside

CAS Number: : 2818-58-8

| Specifications               | Limits  |
|------------------------------|---|
| Molecular weight             | 256.25  |
| SMILES                       | <chem>O1[C@H](CO)[C@H](O)[C@H](O)[C@H](O)[C@@H]1Oc1ccccc1</chem>                                      |
| InChI                        | NEZJDVYDSZTRFS-YBXAARCKSA-N   |
| InChIKey                     | 1S/C12H16O6/c13-6-8-9(14)10(15)11(16)12(18-8)17-7-4-2-1-3-5-7/h1-5,8-16H,6H2/t8-,9+,10+,11-,12-/m1/s1 |
| Water solubility             | 1.26E+05 mg/L   |
| log P (octanol-water)        | -0.89   |
| Vapor Pressure               | 7.66E-11 mm Hg  |
| Atmospheric OH Rate Constant | 8.35E-11 cm <sup>3</sup> /molecule-sec  |
| Henry's Law Constant         | 1.15E-15 atm-m <sup>3</sup> /mole   |
| Melting Point                | 153-155 °C  |



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