

Typical Product Specifications & Properties

beta-D-Lactose

CAS Number: : 5965-66-2

| Specifications | Limits |
|------------------------------|---|
| Molecular weight | 342.30 |
| SMILES | <chem>O[C@@H]1O[C@@H]([C@@H](O[C@@H]2O[C@@H]([C@@H]([C@@H]([C@H]2O)O)O)CO)[C@@H]([C@H]1O)O)CO</chem> |
| InChI | 1S/C12H22O11/c13-1-3-5(15)6(16)9(19)12(22-3)23-10-4(2-14)21-11(20)8(18)7(10)17/h3-20H,1-2H2/t3-,4-,5+,6+,7-,8-,9-,10+,11-,12-/m0/s1 |
| InChIKey | GUBGYTABKSRVRQ-OXMKDSILSA-N |
| log P (octanol-water) | -5.120 |
| Melting Point | 254 ° C |
| Atmospheric OH Rate Constant | 1.74E-10 cm ³ /molecule-sec |
| Water solubility | 5.22E+04 mg/L |