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## Typical Product Specifications & Properties

# Lactulose

CAS Number : 4618-18-2

Specifications	Limits
Molecular weight	342.30
SMILES	<chem>O([C@@H]1[C@H](O[C@@]([C@H]1O)(CO)O)CO)[C@@H]1O[C@@H]([C@H](O)[C@@H]([C@H]1O)O)CO</chem>
InChI	JCQLYHFGKNRPGE-FCVZTGTOSA-N
InChIKey	1S/C12H22O11/c13-1-4-6(16)7(17)8(18)11(21-4)22-9-5(2-14)23-12(20,3-15)10(9)19/h4-11,13-20H,1-3H2/t4-,5-,6+,7+,8-,9-,10+,11+,12-/m1/s1
Water solubility	7.64E+05 mg/L
Atmospheric OH Rate Constant	1.42E-10 cm <sup>3</sup> /molecule-sec
Melting Point	169 &deg; C
log P (octanol-water)	-4.670



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