

# D-(+)-Galactose, pentakis(trifluoroacetate), methyloxime (syn)

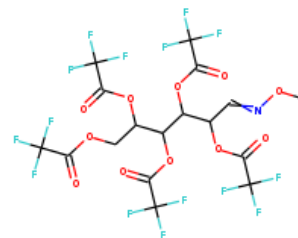
**InChI:** InChI=1S/C17H10F15NO11/c1-39-33-2-4(41-9(35)14(21,22)23)6(43-11(37)16(27,28)29)7(44-12(38)17(30,31)32)5(42-10(36)15(24,25)26)3-40-8(34)13(18,19)20/h2,4-7H,3H2,1H3

**InChI Key:** IOALWQFXAPVULK-UHFFFAOYSA-N

**Formula:** C17H10F15NO11

**SMILES:** CON=CC(OC(=O)C(F)(F)F)C(OC(=O)C(F)(F)F)C(OC(=O)C(F)(F)F)C(COC(=O)C(F)(F)F)OC(=O)C(F)(F)F

**Molecular Weight:** 689.24



## Physical Properties

Property	Value	Unit	Source
$\Delta_f H^\circ_{\text{gas}}$	-4674.73	kJ/mol	Joback Method
$\Delta_{\text{vap}} H^\circ$	84.65	kJ/mol	Joback Method
$\log P_{\text{oct/wat}}$	2.62		Crippen Method
$P_c$	923.86	kPa	Joback Method
$T_{\text{boil}}$	1040.05	K	Joback Method
$T_c$	1307.10	K	Joback Method

## Sources

**Joback Method:** [https://en.wikipedia.org/wiki/Joback\\_method](https://en.wikipedia.org/wiki/Joback_method)

**NIST Webbook:** [http://webbook.nist.gov/cgi/inchi/InChI=1S/C17H10F15NO11/c1-39-33-2-4\(41-9\(35\)14\(21,22\)23\)6\(43-11\(37\)16\(27,28\)29\)7\(44-12\(38\)17\(30,31\)32\)5\(42-10\(36\)15\(24,25\)26\)3-40-8\(34\)13\(18,19\)20/h2,4-7H,3H2,1H3](http://webbook.nist.gov/cgi/inchi/InChI=1S/C17H10F15NO11/c1-39-33-2-4(41-9(35)14(21,22)23)6(43-11(37)16(27,28)29)7(44-12(38)17(30,31)32)5(42-10(36)15(24,25)26)3-40-8(34)13(18,19)20/h2,4-7H,3H2,1H3)

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## Legend

$\Delta_f H^\circ_{\text{gas}}$ : Enthalpy of formation at standard conditions (kJ/mol).

$\Delta_{\text{vap}} H^\circ$ : Enthalpy of vaporization at standard conditions (kJ/mol).

$\log P_{\text{oct/wat}}$ : Octanol/Water partition coefficient .

$P_c$ : Critical Pressure (kPa).

$T_{\text{boil}}$ : Normal Boiling Point Temperature (K).  
 $T_{\text{c}}$ : Critical Temperature (K).

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