

D-(-)-Ribose, tetrakis(trifluoroacetate), methyloxime (syn)

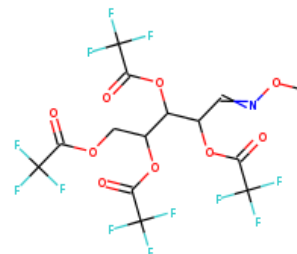
InChI: InChI=1S/C14H9F12NO9/c1-32-27-2-4(34-8(29)12(18,19)20)6(36-10(31)14(24,25)26)5(35-9(30)13(21,22)23)3-33-7(28)11(15,16)17/h2,4-6H,3H2,1H3

InChI Key: BOAISAABNRWOGO-UHFFFAOYSA-N

Formula: C14H9F12NO9

SMILES: CON=CC(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: 563.20



Physical Properties

Property	Value	Unit	Source
$\Delta_f H^\circ_{\text{gas}}$	-3765.65	kJ/mol	Joback Method
$\Delta_{\text{vap}} H^\circ$	72.95	kJ/mol	Joback Method
$\log P_{\text{oct/wat}}$	2.15		Crippen Method
P_c	1156.93	kPa	Joback Method
T_{boil}	900.98	K	Joback Method
T_c	1104.62	K	Joback Method

Sources

Joback Method: https://en.wikipedia.org/wiki/Joback_method

NIST Webbook: [http://webbook.nist.gov/cgi/inchi/InChI=1S/C14H9F12NO9/c1-32-27-2-4\(34-8\(29\)12\(18,19\)20\)6\(36-10\(31\)14\(24,25\)26\)5\(35-9\(30\)13\(21,22\)23\)3-33-7\(28\)11\(15,16\)17/h2,4-6H,3H2,1H3](http://webbook.nist.gov/cgi/inchi/InChI=1S/C14H9F12NO9/c1-32-27-2-4(34-8(29)12(18,19)20)6(36-10(31)14(24,25)26)5(35-9(30)13(21,22)23)3-33-7(28)11(15,16)17/h2,4-6H,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_{boil} : Normal Boiling Point Temperature (K).

T_c : Critical Temperature (K).

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