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
$\Delta_f H°_{gas}$	-3765.65	kJ/mol	Joback Method
$\Delta_{vap} H°$	72.95	kJ/mol	Joback Method
$logP_{oct/wat}$	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

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

$\Delta_f H°_{gas}$: Enthalpy of formation at standard conditions (kJ/mol).
$\Delta_{vap} H°$: Enthalpy of vaporization at standard conditions (kJ/mol).
$logP_{oct/wat}$: Octanol/Water partition coefficient .
P_c: Critical Pressure (kPa).
T_{boil}: Normal Boiling Point Temperature (K).

T_c: Critical Temperature (K).