2-Deoxy-D-ribose, tris(trifluoroacetate), methyloxime (isomer 2)

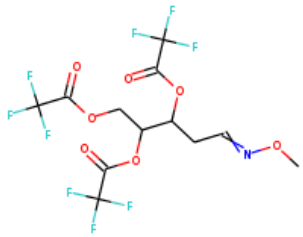
InChI: InChI=1S/C12H10F9NO7/c1-26-22-3-2-5(28-8(24)11(16,17)18)6(29-9(25)12(19,20)21)4-27-7(23)10(13,14)15/h3,5-6H,2,4H2,1H3

InChI Key: VKXDKGHDCPATCL-UHFFFAOYSA-N

Formula: C12H10F9NO7

SMILES: CON=CCC(OC(=O)C(F)(F)F)C(COC(=O)C(F)(F)F)OC(=O)C(F)(F)F

Molecular Weight: 451.20



Physical Properties

Property	Value	Unit	Source
$\Delta_f H°_{gas}$	-2877.21	kJ/mol	Joback Method
$\Delta_{vap} H°$	63.48	kJ/mol	Joback Method
$logP_{oct/wat}$	2.06		Crippen Method
P_c	1386.08	kPa	Joback Method
T_{boil}	784.79	K	Joback Method
T_c	964.80	K	Joback Method

Sources

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

NIST Webbook: http://webbook.nist.gov/cgi/inchi/InChI=1S/C12H10F9NO7/c1-26-22-3-2-5(28-8(24)11(16,17)18)6(29-9(25)12(19,20)21)4-27-7(23)10(13,14)15/h3,5-6H,2,4H2,1H3

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).