D-(+)-Mannose, pentakis(trifluoroacetate), methyloxime (anti)

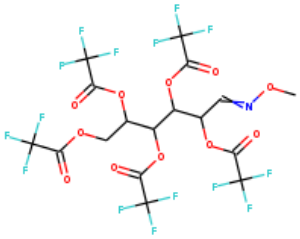
InChI: InChI=1S/C17H10F15NO11/c1-39-33-2-4(41-9(35)14(21,22)23)6(43-11(37)16(27,28)29)7(44-12(38)17(30,31)32)5(42-10(36)15(24,25)26)3-40-8(34)13(18,19)20/h2,4-7H,3H2,1H3

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
$\Delta_f H°_{gas}$	-4674.73	kJ/mol	Joback Method
$\Delta_{vap} H°$	84.65	kJ/mol	Joback Method
$logP_{oct/wat}$	2.62		Crippen Method
P_c	923.86	kPa	Joback Method
T_{boil}	1040.05	K	Joback Method
T_c	1307.10	K	Joback Method

Sources

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

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).