

# 2-[2-[2-[2-[2-[2-(2,2,2-Trifluoroacetyl)oxyethoxy]

Other names: Heptaethylene glycol, bis(trifluoroacetate)  
2,2,2-trifluoroacetate 23,23,23-Trifluoro-22-oxo-3,6,9,12,15,18,21-heptaoxatricos-1-yl trifluoroacetate

**Inchi:** InChI=1S/C18H28F6O10/c19-17(20,21)15(25)33-13-11-31-9-7-29-5-3-27-1-2-28-4-6-30-

**InchiKey:** BIKWWTGIGYWFAV-UHFFFAOYSA-N

**Formula:** C18H28F6O10

**SMILES:** O=C(OCCOCCOCCOCCOCCOCCOCCOC(=O)C(F)(F)F)C(F)(F)F

**Mol. weight [g/mol]:** 518.40

## Physical Properties

Property code	Value	Unit	Source
gf	-2160.34	kJ/mol	Joback Method
hf	-2891.93	kJ/mol	Joback Method
hfus	58.73	kJ/mol	Joback Method
hvap	80.94	kJ/mol	Joback Method
log10ws	-0.93		Crippen Method
logp	1.297		Crippen Method
mcvol	325.200	ml/mol	McGowan Method
pc	983.93	kPa	Joback Method
rinpol	2184.20		NIST Webbook
rinpol	2184.20		NIST Webbook
tb	887.50	K	Joback Method
tc	1093.59	K	Joback Method
tf	578.70	K	Joback Method
vc	1.286	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1076.59	J/molxK	887.50	Joback Method
cpg	1091.49	J/molxK	921.85	Joback Method
cpg	1104.78	J/molxK	956.20	Joback Method
cpg	1116.44	J/molxK	990.54	Joback Method
cpg	1126.46	J/molxK	1024.89	Joback Method
cpg	1134.80	J/molxK	1059.24	Joback Method

