

# 2-[2-[2-[2-[2-[2-[2-[2-(2,2,2-Trifluoroacetyl)oxyet

Other names:

Nonaethylene glycol bis(trifluoroacetate)

## 2,2,2-trifluoroacetate

29,29,29-Trifluoro-28-oxo-3,6,9,12,15,18,21,24,27-nonaoxanonacos-1-yl

trifluoroacetate

Inchi: InChI=1S/C22H36F6O12/c23-21(24,25)19(29)39-17-15-37-13-11-35-9-7-33-5-3-31-1-2-3

InchiKey: TVYVLBOEKYNKNH-UHFFFAOYSA-N

Formula: C22H36F6O12

SMILES: O=C(OCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOC(=O)C(F)(F)F)C(F)(F)F

Mol. weight [g/mol]: 606.50

## Physical Properties

Property code	Value	Unit	Source
gf	-2336.66	kJ/mol	Joback Method
hf	-3238.93	kJ/mol	Joback Method
hfus	71.47	kJ/mol	Joback Method
hvap	94.66	kJ/mol	Joback Method
log10ws	-0.78		Crippen Method
logp	1.330		Crippen Method
mcvol	393.300	ml/mol	McGowan Method
pc	769.04	kPa	Joback Method
rinpol	2674.60		NIST Webbook
rinpol	2674.60		NIST Webbook
tb	1023.86	K	Joback Method
tc	1306.29	K	Joback Method
tf	668.24	K	Joback Method
vc	1.546	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1371.26	J/molxK	1023.86	Joback Method
cpg	1385.11	J/molxK	1070.93	Joback Method
cpg	1394.92	J/molxK	1118.00	Joback Method
cpg	1400.60	J/molxK	1165.08	Joback Method
cpg	1402.07	J/molxK	1212.15	Joback Method
cpg	1399.25	J/molxK	1259.22	Joback Method

