

2-[2-[2-[2-[2-[2-[2-[2-(2-Methoxyethoxy)ethoxy]e

Other names: Decaethylene glycol monomethyl ether, trifluoroacetate
2,2,2-trifluoroacetate 3,6,9,12,15,18,21,24,27,30-Decaoxahentriacont-1-yl trifluoroacetate

Inchi: InChI=1S/C23H43F3O12/c1-28-2-3-29-4-5-30-6-7-31-8-9-32-10-11-33-12-13-34-14-15-3
InchiKey: WHXCJMFLLFSYFF-UHFFFAOYSA-N
Formula: C23H43F3O12
SMILES: COCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOC(=O)C(F)(F)F
Mol. weight [g/mol]: 568.58

Physical Properties

Property code	Value	Unit	Source
gf	-1722.73	kJ/mol	Joback Method
hf	-2682.13	kJ/mol	Joback Method
hfus	71.82	kJ/mol	Joback Method
hvap	96.30	kJ/mol	Joback Method
log10ws	0.15		Crippen Method
logp	0.888		Crippen Method
mcvol	406.380	ml/mol	McGowan Method
pc	744.07	kPa	Joback Method
tb	1020.71	K	Joback Method
tc	1296.82	K	Joback Method
tf	647.62	K	Joback Method
vc	1.571	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1429.55	J/molxK	1020.71	Joback Method
cpg	1445.16	J/molxK	1066.73	Joback Method
cpg	1456.35	J/molxK	1112.75	Joback Method
cpg	1462.98	J/molxK	1158.77	Joback Method
cpg	1464.88	J/molxK	1204.79	Joback Method
cpg	1461.91	J/molxK	1250.80	Joback Method
cpg	1453.92	J/molxK	1296.82	Joback Method

