

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

Other names: Octaethylene glycol monomethyl ether, pentafluoropropionate  
2,2,3,3,3-pentafluoropropanoate 3,6,9,12,15,18,21,24-Octaoxapentacos-1-yl pentafluoropropionate

**Inchi:** InChI=1S/C20H35F5O10/c1-27-2-3-28-4-5-29-6-7-30-8-9-31-10-11-32-12-13-33-14-15-3  
**InchiKey:** LPOOKINGGQHHSE-UHFFFAOYSA-N  
**Formula:** C20H35F5O10  
**SMILES:** COCCOCCOCCOCCOCCOCCOCCOCCOC(=O)C(F)(F)C(F)(F)F  
**Mol. weight [g/mol]:** 530.48

## Physical Properties

Property code	Value	Unit	Source
gf	-1924.77	kJ/mol	Joback Method
hf	-2756.74	kJ/mol	Joback Method
hfus	60.42	kJ/mol	Joback Method
hvap	81.87	kJ/mol	Joback Method
log10ws	-0.73		Crippen Method
logp	1.490		Crippen Method
mcvol	355.910	ml/mol	McGowan Method
pc	857.47	kPa	Joback Method
rinpol	2492.30		NIST Webbook
tb	902.54	K	Joback Method
tc	1116.56	K	Joback Method
tf	572.95	K	Joback Method
vc	1.391	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1202.29	J/molxK	902.54	Joback Method
cpg	1219.59	J/molxK	938.21	Joback Method
cpg	1234.95	J/molxK	973.88	Joback Method
cpg	1248.35	J/molxK	1009.55	Joback Method
cpg	1259.74	J/molxK	1045.22	Joback Method
cpg	1269.10	J/molxK	1080.89	Joback Method
cpg	1276.41	J/molxK	1116.56	Joback Method

