

Other names: Dodecaethylene glycol, bis(trifluoroacetate)

Inchi: 383838-3,6,9,12,15,18,21,24,27,30,33,36-dodecaoxa-octatriacont-1-yl
trifluoroacetate

InchiKey: SDUDLPOFWCBZBI-UHFFFAOYSA-N

Formula: C₂₈H₄₈F₆O₁₅

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

Mol. weight [g/mol]: 738.66

Physical Properties

Property code	Value	Unit	Source
gf	-2601.14	kJ/mol	Joback Method
hf	-3759.43	kJ/mol	Joback Method
hfus	90.57	kJ/mol	Joback Method
hvap	115.25	kJ/mol	Joback Method
log10ws	-0.55		Crippen Method
logp	1.380		Crippen Method
mcvol	495.450	ml/mol	McGowan Method
pc	558.09	kPa	Joback Method
rinpol	3424.90		NIST Webbook
rinpol	3424.90		NIST Webbook
tb	1228.40	K	Joback Method
tc	1761.31	K	Joback Method
tf	802.55	K	Joback Method
vc	1.935	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1777.49	J/mol×K	1228.40	Joback Method
cpg	1760.75	J/mol×K	1317.22	Joback Method
cpg	1722.33	J/mol×K	1406.04	Joback Method
cpg	1661.26	J/mol×K	1494.85	Joback Method
cpg	1576.57	J/mol×K	1583.67	Joback Method
cpg	1467.28	J/mol×K	1672.49	Joback Method

