

2-(2-(2-(2-(2-(2-Isopentoxy-ethoxy)-ethoxy)-ethoxy)-ethoxy)-ethoxy)-ethoxy

trifluoroacetate

InChIKey:

InChI=1S/C21H39F3O9/c1-19(2)3-4-26-5-6-27-7-8-28-9-10-29-11-12-30-13-14-31-15-16

Formula:

C21H39F3O9

SMILES:

CC(C)CCOCCOCCOCCOCCOCCOCCOCCOCCOC(=O)C(F)(F)F

Mol. weight [g/mol]:

492.52

Physical Properties

| Property code | Value | Unit | Source |
|---------------|----------|----------------------|----------------|
| gf | -1427.01 | kJ/mol | Joback Method |
| hf | -2249.47 | kJ/mol | Joback Method |
| hfus | 59.55 | kJ/mol | Joback Method |
| hvap | 84.23 | kJ/mol | Joback Method |
| log10ws | -1.51 | | Crippen Method |
| logp | 2.254 | | Crippen Method |
| mcvol | 360.590 | ml/mol | McGowan Method |
| pc | 857.47 | kPa | Joback Method |
| rinpol | 2595.10 | | NIST Webbook |
| rinpol | 2595.10 | | NIST Webbook |
| tb | 907.25 | K | Joback Method |
| tc | 1118.83 | K | Joback Method |
| tf | 543.39 | K | Joback Method |
| vc | 1.399 | m ³ /kmol | Joback Method |

Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---------------|---------|---------|-----------------|---------------|
| cpg | 1219.25 | J/molxK | 907.25 | Joback Method |
| cpg | 1237.45 | J/molxK | 942.51 | Joback Method |
| cpg | 1253.73 | J/molxK | 977.78 | Joback Method |
| cpg | 1268.04 | J/molxK | 1013.04 | Joback Method |
| cpg | 1280.35 | J/molxK | 1048.30 | Joback Method |
| cpg | 1290.64 | J/molxK | 1083.57 | Joback Method |
| cpg | 1298.87 | J/molxK | 1118.83 | Joback Method |

