

# Succinic acid, 2,2,3,3,4,4,5,5-octafluoropentyl 2,6-dimethylnon-1-en-3-yn-5-yl ester

**Inchi:** InChI=1S/C20H24F8O4/c1-5-6-13(4)14(8-7-12(2)3)32-16(30)10-9-15(29)31-11-18(23,24

**InchiKey:** UUUJLTIWBROVDV-UHFFFAOYSA-N

**Formula:** C20H24F8O4

**SMILES:** C=C(C)C#CC(OC(=O)CCC(=O)OCC(F)(F)C(F)(F)C(F)(F)C(F)F)C(C)CCC

**Mol. weight [g/mol]:** 480.39

## Physical Properties

Property code	Value	Unit	Source
gf	-1625.51	kJ/mol	Joback Method
hf	-2168.76	kJ/mol	Joback Method
hfus	45.49	kJ/mol	Joback Method
hvap	68.40	kJ/mol	Joback Method
log10ws	-6.69		Crippen Method
logp	5.408		Crippen Method
mvol	308.800	ml/mol	McGowan Method
pc	1028.60	kPa	Joback Method
rinpol	1890.00		NIST Webbook
rinpol	1890.00		NIST Webbook
tb	798.29	K	Joback Method
tc	980.45	K	Joback Method
tf	516.84	K	Joback Method
vc	1.240	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	957.79	J/mol×K	798.29	Joback Method
cpg	972.38	J/mol×K	828.65	Joback Method
cpg	986.03	J/mol×K	859.01	Joback Method
cpg	998.80	J/mol×K	889.37	Joback Method
cpg	1010.75	J/mol×K	919.73	Joback Method
cpg	1021.95	J/mol×K	950.09	Joback Method
cpg	1032.45	J/mol×K	980.45	Joback Method

