9,9-Fluorenedipropionitrile

Other names:	9,9'-Fluorenedipropionitrile
	9,9-Fluorenedipropionitrile
	9H-Fluorene-9,9-dipropanenitrile
	9H-fluorene-9,9-dipropiononitrile
	Fluorene-9,9-bis(propionitrile)
	Fluorene-9,9-dipropionitrile
	Propionitrile, 3,3'-fluoren-9-ylidenedi-
Inchi:	InChI=1S/C19H16N2/c20-13-5-11-19(12-6-14-21)17-9-3-1-7-15(17)16-8-2-4-10-18(16)19
InchiKey:	COWHDUMHYFLLER-UHFFFAOYSA-N
Formula:	C19H16N2
SMILES:	N#CCCC1(CCC#N)c2ccccc2-c2ccccc21
Mol. weight [g/mol]:	272.35

Physical Properties

Property code	Value	Unit	Source
hfus	31.32	kJ/mol	Joback Method
logp	4.561		Crippen Method
mcvol	222.950	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	654.65	J/mol×K	900.04	Joback Method
cpg	670.07	J/mol×K	941.33	Joback Method
cpg	685.98	J/mol×K	982.62	Joback Method
cpg	702.66	J/mol×K	1023.91	Joback Method
cpg	720.39	J/mol×K	1065.20	Joback Method
cpg	739.45	J/mol×K	1106.49	Joback Method
cpg	760.11	J/mol×K	1147.79	Joback Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C4425972&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

cpg:	Ideal gas heat capacity
hfus:	Enthalpy of fusion at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume