

N,N'-bis(2,2,6,6-tetramethylpiperidin-4-yl)hexane-2

Inchi: InChI=1S/C24H50N4/c1-21(2)15-19(16-22(3,4)27-21)25-13-11-9-10-12-14-26-20-17-23(24)
InchiKey: UKJARPDLRWBRAX-UHFFFAOYSA-N
Formula: C24H50N4
SMILES: CC1(C)CC(NCCCCCNC2CC(C)(C)NC(C)(C)C2)CC(C)(C)N1
Mol. weight [g/mol]: 394.69
CAS: 61260-55-7

Physical Properties

Property code	Value	Unit	Source
hfus	50.06	kJ/mol	Joback Method
logp	4.344		Crippen Method
mcvol	367.220	ml/mol	McGowan Method
tf	337.15	K	Jean-Claude Bradley Open Melting Point Dataset (2014, CC0)

Correlations

Information	Value
Property code	cpg
Equation	$Y = A + B \cdot T + C \cdot T^2 + D \cdot T^3 + E \cdot T.$
Y unit	J/mol×K
Coeff. A	-2.94924e+02
Coeff. B	3.71536e+00
Coeff. C	-3.32860e-03
Coeff. D	1.32800e-06
Coeff. E	0.00000e+00
Basis	predicted
Temperature range (K), min.	273.00
Temperature range (K), max.	1000.00

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
Jean-Claude Bradley Open Melting Point Dataset (2014, CC0):	https://figshare.com/articles/Jean_Claude_Bradley_Open_Melting_Point_Dataset/1031637
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I

Legend

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

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