Glutaric acid, N-(1,2,3,4-tetrahydronaphth-1-yl)-, ethyl ester

Other names: Glutaric acid, N-(1,2,3,4-tetrahydronaphth-1-yl)-, ethyl ester
Inchi: InChI=1S/C17H23NO3/c1-2-21-17(20)12-6-11-16(19)18-15-10-5-8-13-7-3-4-9-14(13)15/h
InchiKey: JUTQGDNWXNUHLG-UHFFFAOYSA-N
Formula: C17H23NO3
SMILES: CCOC(=O)CCCC(=O)NC1CCCc2ccccc21
Mol. weight [g/mol]: 289.37

Physical Properties

Property code	Value	Unit	Source
hfus	38.96	kJ/mol	Joback Method
logp	2.914		Crippen Method
mcvol	234.760	ml/mol	McGowan Method
rinpol	2463.00		NIST Webbook
tb	643.45	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	720.27	J/mol×K	811.36	Joback Method
cpg	735.86	J/mol×K	847.53	Joback Method
cpg	750.32	J/mol×K	883.71	Joback Method
cpg	763.69	J/mol×K	919.88	Joback Method
cpg	776.04	J/mol×K	956.06	Joback Method
cpg	787.43	J/mol×K	992.23	Joback Method
cpg	797.91	J/mol×K	1028.40	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U360202&Units=SI
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/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	

Legend

cpg:	Ideal gas heat capacity
hfus:	Enthalpy of fusion at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature