2-Naphthanilide, 4-[4-diethylamino-o-tolylimino]-1,4-dihydro-n-met

Inchi: InChI=1S/C29H29N3O2/c1-5-32(6-2)22-16-17-26(20(3)18-22)30-27-19-25(28(33)24-15-1

InchiKey: HPGPNEPZUGWNBI-KDJFERLWSA-N

Formula: C29H29N3O2

SMILES: CCN(CC)c1ccc(N=C2C=C(C(=O)N(C)c3ccccc3)C(=O)c3ccccc32)c(C)c1

Mol. weight [g/mol]: 451.56

CAS: 121676-58-2

Physical Properties

Property code	Value	Unit	Source
hf	92.39	kJ/mol	Joback Method
hvap	109.53	kJ/mol	Joback Method
log10ws	-6.72		Crippen Method
logp	5.748		Crippen Method
mcvol	361.810	ml/mol	McGowan Method
pc	1206.47	kPa	Joback Method
tb	1203.45	K	Joback Method
tc	1476.49	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C121676582&Units=SI

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Joback Method: https://en.wikipedia.org/wiki/Joback_method

Legend

hf: Enthalpy of formation at standard conditions

hvap: Enthalpy of vaporization at standard conditions

log10ws: Log10 of Water solubility in mol/l

logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature