2-Naphthanilide, 2'-chloro-4-[4-diethylamino-o-tolylimino]-1,4-dihyd

Inchi: InChI=1S/C28H26ClN3O2/c1-4-32(5-2)19-14-15-24(18(3)16-19)30-26-17-22(27(33)21-11

InchiKey: RIVYXGVPHBSPNU-URGPHPNLSA-N

Formula: C28H26ClN3O2

SMILES: CCN(CC)c1ccc(N=C2C=C(C(=O)Nc3ccccc3Cl)C(=O)c3ccccc32)c(C)c1

Mol. weight [g/mol]: 471.98

CAS: 115604-50-7

Physical Properties

Property code	Value	Unit	Source
hf	71.76	kJ/mol	Joback Method
hvap	116.75	kJ/mol	Joback Method
log10ws	-7.50		Crippen Method
logp	6.377		Crippen Method
mcvol	359.960	ml/mol	McGowan Method
pc	1257.48	kPa	Joback Method
tb	1260.71	K	Joback Method
tc	1544.79	K	Joback Method

Sources

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

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

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C115604507&Units=SI

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