1-Naphthylamine, n-(p-methoxybenzylidene)-4-(p-methoxyphenylaz

Inchi: InChI=1S/C25H21N3O2/c1-29-20-11-7-18(8-12-20)17-26-24-15-16-25(23-6-4-3-5-22(23)
InchiKey: XPOMRFUXUPZCSP-JURDMHRXSA-N
Formula: C25H21N3O2
SMILES: COc1ccc(C=Nc2ccc(N=Nc3ccc(OC)cc3)c3ccccc23)cc1
Mol. weight [g/mol]: 395.45
CAS: 13917-06-1

Physical Properties

Property code	Value	Unit	Source
hf	160.45	kJ/mol	Joback Method
hvap	97.16	kJ/mol	Joback Method
log10ws	-7.42		Crippen Method
logp	7.023		Crippen Method
mcvol	305.450	ml/mol	McGowan Method
pc	1238.96	kPa	Joback Method
tb	1161.06	K	Joback Method
tc	1439.84	K	Joback Method

Sources

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=C13917061&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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