p-Methoxybenzylidene p-biphenylamine

Inchi: InChI=1S/C20H17NO/c1-22-20-13-7-16(8-14-20)15-21-19-11-9-18(10-12-19)17-5-3-2-4-
InchiKey: VYKQBJJHYKJSGA-UHFFFAOYSA-N
Formula: C20H17NO
SMILES: COc1ccc(C=Nc2ccc(-c3ccccc3)cc2)cc1
Mol. weight [g/mol]: 287.36
CAS: 25543-63-9

Physical Properties

Property code	Value	Unit	Source
hf	180.52	kJ/mol	Joback Method
hvap	73.99	kJ/mol	Joback Method
log10ws	-6.06		Crippen Method
logp	5.113		Crippen Method
mcvol	232.930	ml/mol	McGowan Method
pc	1895.30	kPa	Joback Method
tb	846.10	K	Joback Method
tc	1111.05	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=C25543639&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