p-Methoxybenzylidene p-phenylazoaniline

Other names:	p-Methoxybenzylidene p-phenylazoaniline
	N-(p-Anisylidene)-p-phenylazo aniline
	Aniline, N-(p-methoxybenzylidene)-p-(phenylazo)-
	Anisal-p-aminoazobenzene
	Benzenamine, N-((4-methoxyphenyl)methylene)-4-(phenylazo)-
	N-(p-Methoxybenzylidene)-p-(phenylazo)aniline
	4-(4-Methoxybenzylidenamino)azobenzene
	N-(4-Methoxybenzylidene)-4-(phenylazo)aniline
	N-[(4-Methoxyphenyl)methylidene]-4-[phenyldiazenyl]aniline
	4-(4-Methyloxybenzylidenamino)azobenzene
Inchi:	InChI=1S/C20H17N3O/c1-24-20-13-7-16(8-14-20)15-21-17-9-11-19(12-10-17)23-22-18-5
InchiKey:	HLJXCFUTNROPTR-UHFFFAOYSA-N
Formula:	C20H17N3O
SMILES:	COc1ccc(C=Nc2ccc(N=Nc3ccccc3)cc2)cc1
Mol. weight [g/mol]:	315.38

Physical Properties

Property code	Value	Unit	Source
hf	436.66	kJ/mol	Cheméo Relay (1.0)
hvap	113.15	kJ/mol	Cheméo Relay (1.0)
ie	7.57	eV	Cheméo Relay (1.0)
log10ws	-5.72		Cheméo Relay (1.0)
logp	5.861		Crippen Method
mcvol	248.590	ml/mol	McGowan Method
pc	1527.07	kPa	Joback Method
tb	723.46	K	Cheméo Relay (1.0)
tc	1002.74	K	Cheméo Relay (1.0)
tf	410.63	K	Cheméo Relay (1.0)

Sources

Cheméo Relay (1.0, beta):

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C744661&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):	

Legend

hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
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
tf:	Normal melting (fusion) point