

Benzonitrile, 4-[[4-methoxyphenyl)methylene]amino]-

Other names:	p-Methoxybenzylidene p-cyanoaniline p-[(p-Methoxybenzylidene)amino]benzonitrile p-Anisylidene-p-cyanoaniline 4'-Methoxybenzylideneaminobenzonitrile 4-[(4-methoxybenzylidene)amino]benzonitrile
Inchi:	InChI=1S/C15H12N2O/c1-18-15-8-4-13(5-9-15)11-17-14-6-2-12(10-16)3-7-14/h2-9,11H,
InchiKey:	SZTAFPBCQLNZQR-UHFFFAOYSA-N
Formula:	C15H12N2O
SMILES:	COc1ccc(C=Nc2ccc(C#N)cc2)cc1
Mol. weight [g/mol]:	236.27
CAS:	13036-19-6

Physical Properties

Property code	Value	Unit	Source
hf	212.07	kJ/mol	Joback Method
hvap	71.06	kJ/mol	Joback Method
log10ws	-3.81		Crippen Method
logp	3.317		Crippen Method
mvol	187.620	ml/mol	McGowan Method
pc	2117.78	kPa	Joback Method
tb	807.10	K	Joback Method
tc	1063.62	K	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C13036196&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
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
h_{vap}:	Enthalpy of vaporization at standard conditions
log₁₀ws:	Log ₁₀ of Water solubility in mol/l
log_p:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

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