4-(Anisylideneamino)-cinnamic acid

Other names:	p-(Anisylideneamino)cinnamic acid
	Cinnamic acid, p-(p-methoxybenzylidene)amino-
	3-(4-([(4-Methoxyphenyl)methylidene]amino)phenyl)-2-propenoic acid
Inchi:	InChI=1S/C17H15NO3/c1-21-16-9-4-14(5-10-16)12-18-15-7-2-13(3-8-15)6-11-17(19)20/h
InchiKey:	UIELBEHBZKVMEI-XOCFQZNGSA-N
Formula:	C17H15NO3
SMILES:	COc1ccc(C=Nc2ccc(C=CC(=O)O)cc2)cc1
Mol. weight [g/mol]:	281.31
CAS:	25959-50-6

Physical Properties

Property code	Value	Unit	Source
hf	-141.68	kJ/mol	Joback Method
hvap	88.42	kJ/mol	Joback Method
log10ws	-3.80		Crippen Method
logp	3.544		Crippen Method
mcvol	217.560	ml/mol	McGowan Method
pc	2197.95	kPa	Joback Method
tb	900.99	K	Joback Method
tc	1135.39	K	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C25959506&Units=SI
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

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