o-(o-Tolyloxy)aniline

Other names:	2-Amino-2'-methyldiphenyl ether
	Benzenamine, 2-(2-methylphenoxy)-
	Aniline, 2-(o-tolyloxy)-
	2-(2-methylphenoxy)aniline
Inchi:	InChI=1S/C13H13NO/c1-10-6-2-4-8-12(10)15-13-9-5-3-7-11(13)14/h2-9H,14H2,1H3
InchiKey:	JYJPXACGURQSCB-UHFFFAOYSA-N
Formula:	C13H13NO
SMILES:	Cc1ccccc1Oc1ccccc1N
Mol. weight [g/mol]:	199.25

Physical Properties

Property code	Value	Unit	Source
hf	26.42	kJ/mol	Cheméo Relay (1.0)
hfus	23.12	kJ/mol	Joback Method
hvap	80.30	kJ/mol	Cheméo Relay (1.0)
ie	7.33	eV	Cheméo Relay (1.0)
log10ws	-3.13		Cheméo Relay (1.0)
logp	3.370		Crippen Method
mcvol	162.360	ml/mol	McGowan Method
pc	3107.10	kPa	Joback Method
tb	578.78	K	Cheméo Relay (1.0)
tc	862.55	K	Cheméo Relay (1.0)
tf	331.35	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	408.08	J/mol×K	655.11	Joback Method
cpg	423.20	J/mol×K	696.72	Joback Method
cpg	437.17	J/mol×K	738.32	Joback Method
cpg	450.03	J/mol×K	779.93	Joback Method
cpg	461.82	J/mol×K	821.53	Joback Method
cpg	472.59	J/mol×K	863.14	Joback Method
cpg	482.38	J/mol×K	904.74	Joback Method

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C3840184&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

Legend

cpg:	Ideal gas heat capacity
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion 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