N-[(e)-(dimethylamino)methylidene]-4-methylbenz

Inchi: InChI=1S/C10H14N2O2S/c1-9-4-6-10(7-5-9)15(13,14)11-8-12(2)3/h4-8H,1-3H3/b11-8+
InchiKey: AWICAOQZHLERQF-DHZHZOJOSA-N
Formula: C10H14N2O2S
SMILES: Cc1ccc(S(=O)(=O)N=CN(C)C)cc1
Mol. weight [g/mol]: 226.29
CAS: 25770-53-0

Physical Properties

Property code	Value	Unit	Source
hf	-328.27	kJ/mol	Joback Method
hvap	64.78	kJ/mol	Joback Method
log10ws	-1.70		Crippen Method
logp	1.274		Crippen Method
mcvol	171.750	ml/mol	McGowan Method
pc	3038.96	kPa	Joback Method
tb	596.76	K	Joback Method
tc	810.03	K	Joback Method

Sources

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
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C25770530&Units=SI

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