P-phenylazo carbanilic acid, menthyl ester

Inchi: InChI=1S/C23H29N3O2/c1-16(2)18-10-9-17(3)22(15-18)28-23(27)24-19-11-13-21(14-12
InchiKey: ZJZJCBYBGSNFND-UHFFFAOYSA-N
Formula: C23H29N3O2
SMILES: CC(C)C1CCC(C)C(OC(=O)Nc2ccc(N=Nc3ccccc3)cc2)C1
Mol. weight [g/mol]: 379.50

Physical Properties

Property code	Value	Unit	Source
hf	-192.21	kJ/mol	Joback Method
hvap	93.69	kJ/mol	Joback Method
log10ws	-6.83		Crippen Method
logp	7.111		Crippen Method
mcvol	309.630	ml/mol	McGowan Method
pc	1244.21	kPa	Joback Method
tb	1069.41	K	Joback Method
tc	1327.24	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=B6002470&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

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