4-Ethoxy-3',5'-dimethyl-4'-benzyloxyazobenzene

Inchi: InChI=1S/C23H24N2O2/c1-4-26-22-12-10-20(11-13-22)24-25-21-14-17(2)23(18(3)15-21
InchiKey: IWWIKQDJPJCNNY-OCOZRVBESA-N
Formula: C23H24N2O2
SMILES: CCOc1ccc(N=Nc2cc(C)c(OCc3ccccc3)c(C)c2)cc1
Mol. weight [g/mol]: 360.45
CAS: 88108-42-3

Physical Properties

Property code	Value	Unit	Source
chs	-12895.20	kJ/mol	NIST Webbook
hf	-71.56	kJ/mol	Joback Method
hfs	414.30	kJ/mol	NIST Webbook
hvap	87.76	kJ/mol	Joback Method
log10ws	-7.23		Crippen Method
logp	6.697		Crippen Method
mcvol	291.050	ml/mol	McGowan Method
pc	1285.59	kPa	Joback Method
tb	1019.64	K	Joback Method
tc	1273.67	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C88108423&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

chs: Standard solid enthalpy of combustion

hf:	Enthalpy of formation at standard conditions
hfs:	Solid phase 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