P-phenylazo carbanilic acid, n-hexyl ester

Inchi: InChI=1S/C19H23N3O2/c1-2-3-4-8-15-24-19(23)20-16-11-13-18(14-12-16)22-21-17-9-6-

InchiKey: RHHHUVMCNUYPHB-QURGRASLSA-N

Formula: C19H23N3O2

SMILES: CCCCCCOC(=O)Nc1ccc(N=Nc2ccccc2)cc1

Mol. weight [g/mol]: 325.40

CAS: 94915-64-7

Physical Properties

Property code	Value	Unit	Source
hf	-118.01	kJ/mol	Joback Method
hvap	85.36	kJ/mol	Joback Method
log10ws	-5.87		Crippen Method
logp	6.231		Crippen Method
mcvol	264.130	ml/mol	McGowan Method
pc	1481.57	kPa	Joback Method
tb	968.12	K	Joback Method
tc	1207.21	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C94915647&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