Pulegone, 2,4-dinitrophenyl hydrazone

Inchi: InChI=1S/C16H20N4O4/c1-10(2)12-5-4-11(3)15(8-12)18-17-14-7-6-13(19(21)22)9-16(14
InchiKey: WLFDIFNUOQDTAZ-OBGWFSINSA-N
Formula: C16H20N4O4
SMILES: CC(C)=C1CCC(C)C(=NNc2ccc([N+](=O)[O-])cc2[N+](=O)[O-])C1
Mol. weight [g/mol]: 332.35

Physical Properties

Property code	Value	Unit	Source
hf	33.56	kJ/mol	Joback Method
hvap	99.87	kJ/mol	Joback Method
log10ws	-6.21		Crippen Method
logp	4.427		Crippen Method
mcvol	247.880	ml/mol	McGowan Method
pc	1882.17	kPa	Joback Method
tb	1061.20	K	Joback Method
tc	1334.91	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=B6002097&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