2,4-PENTANEDIONE DIOXIME

Other names:	2,4-Pentanedione oxime
	2,4-Pentanedioxime
	Acetylacetone dioxime
	pentane-2,4-dione dioxime
Inchi:	InChI=1S/C5H10N2O2/c1-4(6-8)3-5(2)7-9/h8-9H,3H2,1-2H3
InchiKey:	WBRYLZHYOFBTPD-UHFFFAOYSA-N
Formula:	C5H10N2O2
SMILES:	CC(CC(C)=NO)=NO
Mol. weight [g/mol]:	130.15

Physical Properties

Property code	Value	Unit	Source
hvap	93.46	kJ/mol	Cheméo Relay (1.0)
ie	9.08	eV	Cheméo Relay (1.0)
logp	1.077		Crippen Method
mcvol	104.410	ml/mol	McGowan Method
tb	503.54	K	Cheméo Relay (1.0)
tf	343.09	K	Cheméo Relay (1.0)

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C2157564&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point