3-Buten-2-one, 4-(2-furanyl)-

Other names:	Furfural acetone
	3-Buten-2-one, 4-(2-furyl)-
	Furfurylideneacetone
	Monofurfurylideneacetone
	3-Butene-2-one, 4-(2-furanyl)-
	4-(2-Furyl)-3-buten-2-one
	«beta»-2-Furylideneacetone
	1-(2-Furyl)but-1-en-3-one
	FAM (monomer)
	Monomer FAM
	4-(2-Furanyl)-3-buten-2-one
	2-Furfurylideneacetone
	NSC 2065
	NSC 6104
	4-(2-furyl)but-3-en-2-one
Inchi:	InChI=1S/C8H8O2/c1-7(9)4-5-8-3-2-6-10-8/h2-6H,1H3/b5-4+
InchiKey:	GBKGJMYPQZODMI-SNAWJCMRSA-N
Formula:	C8H8O2
SMILES:	CC(=O)C=Cc1ccco1
Mol. weight [g/mol]:	136.15
CAS:	623-15-4

Physical Properties

Property code	Value	Unit	Source
chs	-4051.20 ± 1.50	kJ/mol	NIST Webbook
hfs	-240.30	kJ/mol	NIST Webbook
log10ws	-6.15		Crippen Method
logp	1.882		Crippen Method
mcvol	107.260	ml/mol	McGowan Method
ripol	1879.00		NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C623154&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

chs:	Standard solid enthalpy of combustion
hfs:	Solid phase enthalpy of formation at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
ripol:	Polar retention indices