Ethanone, 1,2-di-2-furanyl-2-hydroxy-

Other names:	Furoin
	«alpha»-Furoin
	Ketone, 2-furyl «alpha»-hydroxyfurfuryl
	Ethanone, 1,2-di-2-furyl-2-hydroxy-
	2,2'-furoin
Inchi:	InChI=1S/C10H8O4/c11-9(7-3-1-5-13-7)10(12)8-4-2-6-14-8/h1-6,9,11H
InchiKey:	MIJRFWVFNKQQDK-UHFFFAOYSA-N
Formula:	C10H8O4
SMILES:	O=C(c1ccco1)C(O)c1ccco1
Mol. weight [g/mol]:	192.17
CAS:	552-86-3

Physical Properties

Property code	Value	Unit	Source
chs	-4661.00	kJ/mol	NIST Webbook
log10ws	-10.94		Crippen Method
logp	1.789		Crippen Method
mcvol	132.020	ml/mol	McGowan Method
rinpol	1449.00		NIST Webbook
rinpol	1449.00		NIST Webbook
tf	408.00 ± 3.00	K	NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
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=C552863&Units=SI

Legend

chs:	Standard solid enthalpy of combustion
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices
tf:	Normal melting (fusion) point