2-Propenoic acid, 3-(2-furanyl)-

Other names:	2-Furanacrylic acid
	«beta»-(2-Furyl)acrylic acid
	Furacrylic acid
	Furanacrylic acid
	Furfurylideneacetic acid
	Furylacrylic acid
	2-Furalacetic acid
	3-(2-Furyl)acrylic acid
	3-(2-Furanyl)-2-propenoic acid
	Acrylic acid, «beta»-2-furyl-
	3-(2-Furyl)propenoic acid
	NSC 32626
Inchi:	InChI=1S/C7H6O3/c8-7(9)4-3-6-2-1-5-10-6/h1-5H,(H,8,9)/b4-3+
InchiKey:	ZCJLOOJRNPHKAV-ONEGZZNKSA-N
Formula:	C7H6O3
SMILES:	O=C(O)C=Cc1ccco1
Mol. weight [g/mol]:	138.12
CAS:	539-47-9

Physical Properties

Property code	Value	Unit	Source
chs	-3153.00	kJ/mol	NIST Webbook
hfs	-459.00	kJ/mol	NIST Webbook
hsub	103.00 ± 0.70	kJ/mol	NIST Webbook
hsub	101.70 ± 0.50	kJ/mol	NIST Webbook
log10ws	-5.55		Crippen Method
logp	1.377		Crippen Method
mcvol	99.040	ml/mol	McGowan Method
tb	559.20	K	NIST Webbook
tf	413.65 ± 1.00	K	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=C539479&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
hsub:	Enthalpy of sublimation at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point