Potassium 2-methylpropanoate

Other names: Potassium 2-methylpropanoate
Inchi: InChI=1S/C4H8O2.K/c1-3(2)4(5)6;/h3H,1-2H3,(H,5,6);/q;+1/p-1
InchiKey: LBOHISOWGKIIKX-UHFFFAOYSA-M
Formula: C4H7KO2
SMILES: CC(C)C(=O)[O-].[K+]
Mol. weight [g/mol]: 126.20

Physical Properties

Property code	Value	Unit	Source
af	0.1220		Cheméo Relay (1.0)
hf	-571.98	kJ/mol	Cheméo Relay (1.0)
hvap	37.47	kJ/mol	Cheméo Relay (1.0)
ie	7.32	eV	Cheméo Relay (1.0)
log10ws	-0.55		Cheméo Relay (1.0)
pc	2696.69	kPa	Cheméo Relay (1.0, beta)
tb	583.90	K	Cheméo Relay (1.0)
tc	877.62	K	Cheméo Relay (1.0)
tf	594.25	K	Cheméo Relay (1.0)
vc	0.241	m3/kmol	Cheméo Relay (1.0)

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C19455200&Units=SI
Cheméo Relay (1.0):
Cheméo Relay (1.0, beta):

Legend

af: Acentric Factor
hf: Enthalpy of formation at standard conditions
hvap: Enthalpy of vaporization at standard conditions

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume