

Zinc(II) n-tetradecanoate

Other names:	Zinc(II) n-tetradecanoate
Inchi:	InChI=1S/2C14H28O2.Zn/c2*1-2-3-4-5-6-7-8-9-10-11-12-13-14(15)16;/h2*2-13H2,1H3,(H
InchiKey:	GBFLQPIIIRJQLU-UHFFFAOYSA-L
Formula:	C28H54O4Zn
SMILES:	CCCCCCCCCCCCCCCC(=O)[O-].CCCCCCCCCCCCCCCC(=O)[O-].[Zn+2]
Mol. weight [g/mol]:	520.13

Physical Properties

Property code	Value	Unit	Source
af	1.1812		Cheméo Relay (1.0)
gf	-101.67	kJ/mol	Cheméo Relay (1.0, beta)
hf	-1556.10	kJ/mol	Cheméo Relay (1.0)
hvap	143.11	kJ/mol	Cheméo Relay (1.0)
ie	9.42	eV	Cheméo Relay (1.0)
log10ws	-8.95		Cheméo Relay (1.0)
pc	115.25	kPa	Cheméo Relay (1.0, beta)
tb	803.85	K	Cheméo Relay (1.0)
tc	1028.57	K	Cheméo Relay (1.0)
tf	387.45	K	Cheméo Relay (1.0)
vc	1.523	m3/kmol	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	86.00	kJ/mol	407.00	NIST Webbook
sfust	211.00	J/mol×K	407.00	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C16260278&Units=SI>
Cheméo Relay (1.0):

Legend

af:	Acentric Factor
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfust:	Enthalpy of fusion at a given temperature
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
pc:	Critical Pressure
sfust:	Entropy of fusion at a given temperature
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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