

1,1'-Diacetylferrocene

Other names:	1,1'-Diacetylferrocene
Inchi:	InChI=1S/2C7H7O.Fe/c2*1-6(8)7-4-2-3-5-7;/h2*2-5H,1H3;
InchiKey:	JNBIZDIDVCJECQ-UHFFFAOYSA-N
Formula:	C14H14FeO2
SMILES:	CC(=O)[C]12[CH]3[CH]4[CH]5[CH]1[Fe]45321678[CH]2[CH]1[CH]6[C]7(C(C)=O)[CH]28
Mol. weight [g/mol]:	270.11

Physical Properties

Property code	Value	Unit	Source
hsub	91.90 ± 2.50	kJ/mol	NIST Webbook
tf	403.70	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	289.10	J/mol×K	298.00	NIST Webbook

Sources

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C1273945&Units=SI>

Legend

cps:	Solid phase heat capacity
hsub:	Enthalpy of sublimation at standard conditions
tf:	Normal melting (fusion) point

Latest version available from:

<https://www.chemeo.com/cid/40-514-6/1-1-Diacetylferrocene.pdf>

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