

Ferrocene, formyl-

Other names:	Ferrocenecarboxaldehyde Ferrocenealdehyde Ferrocenecarbaldehyde Formyldicyclopentadienyliron Formylferrocene Iron, «pi»-cyclopentadienyl(formyl-«pi»-cyclopentadienyl)- Ferrocenealdehyde Ferrocene carboxyaldehyde 2-Ferrocenecarboxaldehyde Cyclopentadienecarboxaldehyde, cyclopentadienyliron deriv. Ferrocenylcarboxaldehyde NSC 407052 Ferrocenecarboxaldehydye
Inchi:	InChI=1S/C6H5O.C5H5.Fe/c7-5-6-3-1-2-4-6;1-2-4-5-3-1;/h1-5H;1-5H;
InchiKey:	UQTCQJVPLIVCAX-UHFFFAOYSA-N
Formula:	C11H10FeO
SMILES:	O=CC1=CC=C[CH]1.[CH]1C=CC=C1.[Fe]
Mol. weight [g/mol]:	214.04
CAS:	12093-10-6

Physical Properties

Property code	Value	Unit	Source
hsub	89.70 ± 5.10	kJ/mol	NIST Webbook
hsub	87.90 ± 3.50	kJ/mol	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	2.50	kJ/mol	397.20	NIST Webbook
hfust	2.76	kJ/mol	209.00	NIST Webbook
hfust	2.05	kJ/mol	396.70	NIST Webbook
hsubt	89.90 ± 5.10	kJ/mol	307.00	NIST Webbook
hsubt	87.30 ± 3.50	kJ/mol	307.00	NIST Webbook

Sources

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C12093106&Units=SI>

Legend

hfust: Enthalpy of fusion at a given temperature
hsub: Enthalpy of sublimation at standard conditions
hsubt: Enthalpy of sublimation at a given temperature

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