

1,1'-Dibenzoylferrocene

Other names:	Ferrocene, 1,1'-dibenzoyl-Dibenzoylferrocene
Inchi:	InChI=1S/2C12H9O.Fe/c2*13-12(11-8-4-5-9-11)10-6-2-1-3-7-10;/h2*1-9H;
InchiKey:	HAAYOEOQQZIDZLZ-UHFFFAOYSA-N
Formula:	C24H18FeO2
SMILES:	O=C(c1ccccc1)C12C3C4C5C1[Fe]45321678C2C1C6C7(C(=O)c1ccccc1)C28
Mol. weight [g/mol]:	394.24
CAS:	12180-80-2

Physical Properties

Property code	Value	Unit	Source
hsub	109.30 ± 6.00	kJ/mol	NIST Webbook
hsub	109.00 ± 6.00	kJ/mol	NIST Webbook
tf	379.70	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	466.10	J/molxK	298.00	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C12180802&Units=SI>

Legend

cps: Solid phase heat capacity
hsub: Enthalpy of sublimation at standard conditions

tf: Normal melting (fusion) point

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