

tri-«mu»-carbonylhexacarbonyldiiron

Other names:	Iron, tri-«mu»-carbonylhexacarbonyldi-, (fe-fe)
Inchi:	InChI=1S/9CO.2Fe/c9*1-2;;
InchiKey:	JCXLZXJCZPKTBW-UHFFFAOYSA-N
Formula:	C9Fe2O9
SMILES:	[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].
Mol. weight [g/mol]:	363.78
CAS:	15321-51-4

Physical Properties

Property code	Value	Unit	Source
ea	2.73 ± 0.10	eV	NIST Webbook
hsub	75.00 ± 21.00	kJ/mol	NIST Webbook
ie	7.91 ± 0.01	eV	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	135.30	kJ/mol	305.00	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C15321514&Units=SI>

Legend

ea:	Electron affinity
hsub:	Enthalpy of sublimation at standard conditions
hsubt:	Enthalpy of sublimation at a given temperature

ie: Ionization energy

Latest version available from:

<https://www.cheméo.com/cid/33-657-6/tri-mu-carbonylhexacarbonyldiiron.pdf>

Generated by Cheméo on 2024-04-28 06:05:08.603280852 +0000 UTC m=+16573557.523858180.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.