

Tungsten, tricarbonyl[(1,2,3,4,5,6-«eta»)-1,3,5-trimethylbenzene]

Other names:	Tungsten, tricarbonyl(mesitylene)- Mesitylene tungsten tricarbonyl Tricarbonyl(«eta»-mesitylene)tungsten («eta»
Inchi:	InChI=1S/C9H12.3CO.W/c1-7-4-8(2)6-9(3)5-7;3*1-2;/h4-6H,1-3H3;;;;
InchiKey:	OENLQXWEAUYNBC-UHFFFAOYSA-N
Formula:	C12H12O3W
SMILES:	Cc1cc(C)cc(C)c1.[C-]#[O+].[C-]#[O+].[C-]#[O+].[W]
Mol. weight [g/mol]:	388.06
CAS:	12129-69-0

Physical Properties

Property code	Value	Unit	Source
hf	-366.20 ± 7.00	kJ/mol	NIST Webbook
hfs	-477.20 ± 3.60	kJ/mol	NIST Webbook
hsub	111.00 ± 6.00	kJ/mol	NIST Webbook
ie	7.00	eV	NIST Webbook
ie	7.20 ± 0.05	eV	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C12129690&Units=SI>

Legend

hf:	Enthalpy of formation at standard conditions
hfs:	Solid phase enthalpy of formation at standard conditions
hsub:	Enthalpy of sublimation at standard conditions
ie:	Ionization energy

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