

Manganese, tricarbonyl[(1,2,3,4,5-«eta»)-1-methyl-2,4-cycloper

Other names:	Manganese, tricarbonyl(methyl-«pi»-cyclopentadienyl)- «pi»-(Methylcyclopentadienyl)manganese tricarbonyl (Methylcyclopentadienyl)manganese tricarbonyl (Methylcyclopentadienyl)tricarbonylmanganese Methylcymantrene Tricarbonyl(methyl-«pi»-cyclopentadienyl)manganese Tricarbonyl(methylcyclopentadienyl)manganese Tricarbonyl(2-methylcyclopentadienyl)manganese 2-(Methylcyclopentadienyl)manganesetricarbonyl («eta»5-Methylcyclopentadienyl) manganese tricarbonyl- (1,2,3,4,5-«eta»-1-Methyl-2,4-cyclopentadien-1-yl)manganese tricarbonyl Manganese (methylcyclopentadienyl) tricarbonyl Ak-33x CI-2 Manganese, tricarbonyl methylcyclopentadienyl Manganese, tricarbonyl(2-methylcyclopentadienyl)- MMT Antiknock-33 Combustion improver -2 Methylcyklopentadientrikarbonylmanganium Manganese, tricarbonyl[(1,2,3,4,5-«eta»)-1-methyl-2,4-cyclopentadie-1-yl]- Manganese, tricarbonyl[(1,2,3,4,5-«eta»5)-1-methyl-2,4-cyclopentadien-1-yl]- NSC 22316
Inchi:	InChI=1S/C6H7.3CO.Mn/c1-6-4-2-3-5-6;3*1-2;/h2-5H,1H3;;;;
InchiKey:	LYHJNAIHGFWRKM-UHFFFAOYSA-N
Formula:	C9H7MnO3
SMILES:	CC1=CC=C[CH]1.[C-]#[O+].[C-]#[O+].[C-]#[O+].[Mn]
Mol. weight [g/mol]:	218.09
CAS:	12108-13-3

Physical Properties

Property code	Value	Unit	Source
affp	833.80	kJ/mol	NIST Webbook
basg	801.30	kJ/mol	NIST Webbook
ea	0.50 ± 0.10	eV	NIST Webbook
ie	8.10	eV	NIST Webbook

ie	7.86 ± 0.01	eV	NIST Webbook
ie	7.89	eV	NIST Webbook
ie	7.89	eV	NIST Webbook
ie	7.50	eV	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C12108133&Units=SI>

Legend

affp: Proton affinity
basg: Gas basicity
ea: Electron affinity
ie: Ionization energy

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