

Tungsten, pentacarbonyl(triphenylphosphine)- (OC-6-22)-

Other names:	Tungsten, pentacarbonyl(triphenylphosphine)-
Inchi:	InChI=1S/C18H15P.5CO.W/c1-4-10-16(11-5-1)19(17-12-6-2-7-13-17)18-14-8-3-9-15-18;
InchiKey:	LCHJMKIEZQLWKI-UHFFFAOYSA-N
Formula:	C23H15O5PW
SMILES:	[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[W].c1ccc(P(c2ccccc2)c2ccccc2)cc1
Mol. weight [g/mol]:	586.18
CAS:	15444-65-2

Physical Properties

Property code	Value	Unit	Source
hf	-574.80 ± 6.30	kJ/mol	NIST Webbook
hfs	-718.60 ± 5.80	kJ/mol	NIST Webbook
hsub	143.80 ± 2.50	kJ/mol	NIST Webbook
ie	7.80 ± 0.05	eV	NIST Webbook
ie	7.36	eV	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C15444652&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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