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