

Tetracobalt dodecacarbonyl

Other names:	Cobalt, tri-«mu»-carbonylnonacarbonyltetra-, tetrahedro Cobalt carbonyl (Co ₄ (CO) ₁₂) Dodecacarbonyltetracobalt Co ₄ (CO) ₁₂ tri-«mu»-carbonylnonacarbonyltetracobalt
Inchi:	InChI=1S/12CO.4Co/c12*1-2;;;;
InchiKey:	YMFAWOSEDSLYSZ-UHFFFAOYSA-N
Formula:	C ₁₂ Co ₄ O ₁₂
SMILES:	[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+]
Mol. weight [g/mol]:	571.85
CAS:	17786-31-1

Physical Properties

Property code	Value	Unit	Source
hsub	96.20 ± 4.20	kJ/mol	NIST Webbook
ie	7.45	eV	NIST Webbook
ie	7.80	eV	NIST Webbook
ie	8.90	eV	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C17786311&Units=SI>

Legend

hsub: Enthalpy of sublimation at standard conditions
ie: Ionization energy

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<https://www.cheméo.com/cid/26-699-8/Tetracobalt-dodecacarbonyl.pdf>

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