

Cobalt tris(acetylacetonate)

Other names:	Cobalt acetylacetonate Cobalt triacetylacetonate Cobalt(3+) acetylacetonate Cobalt(III) 2,4-pentanedionate Cobalt(III) acetylacetonate Cobalt, tris(2,4-pentanedionato)- Cobalt, tris(2,4-pentanedionato-O,O')- Cobalt, tris(2,4-pentanedionato-«kappa»O,«kappa»O')-, (OC-6-11)- Cobalt, tris(2,4-pentanedionato-«kappa»O2,«kappa»O4)-, (OC-6-11)- Cobaltic acetylacetonate Cobaltic trisacetylacetonate NSC 43621 Tris(2,4-pentanedionato)cobalt Tris(acetylacetonato)cobalt Tris(acetylacetonato)cobalt(III) Tris(acetylacetone)cobalt cobalt triacetoacetate cobalt, tris(2,4-pentanedionato-O,O')-, (oc-6-11)- tris(pentane-2,4-dionato-O,O')cobalt
Inchi:	InChI=1S/3C5H8O2.Co/c3*1-4(6)3-5(2)7;/h3*3,6H,1-2H3;/q;;;+3/p-3/b3*4-3-;
InchiKey:	RHCQEPWEBDOALW-LNTINUHCSA-K
Formula:	C15H21CoO6
SMILES:	CC(=O)C=C(C)[O-].CC(=O)C=C(C)[O-].CC(=O)C=C(C)[O-].[Co]
Mol. weight [g/mol]:	356.26
CAS:	21679-46-9

Physical Properties

Property code	Value	Unit	Source
ea	2.04 ± 0.09	eV	NIST Webbook
hsub	134.60 ± 4.00	kJ/mol	NIST Webbook
ie	10.70 ± 0.30	eV	NIST Webbook
ie	7.80 ± 0.05	eV	NIST Webbook
ie	7.52	eV	NIST Webbook
ie	7.52 ± 0.07	eV	NIST Webbook
ie	7.56 ± 0.05	eV	NIST Webbook
ie	7.10 ± 0.20	eV	NIST Webbook

