

Cupric trifluoroacetylacetonate

Other names:	Copper(II) hexafluoroacetylacetonate Copper, bis(1,1,1,5,5,5-hexafluoro-2,4-pentanedionato-O,O')-, (SP-4-1)-bis(1,1,1,5,5,5-hexafluoropentane-2,4-dionato-O,O')copper Copper bis(trifluoroacetylacetonate)
Inchi:	InChI=1S/2C5HF6O2.Cu/c2*6-4(7,8)2(12)1-3(13)5(9,10)11;/h2*1H;/q2*-2;+4
InchiKey:	YNWOLWXNDUSOKR-UHFFFAOYSA-N
Formula:	C ₁₀ H ₂ CuF ₁₂ O ₄
SMILES:	FC(F)(F)C12O[Cu]1345678(OC3(C(F)(F)F)C24)OC5(C(F)(F)F)C6C7(C(F)(F)F)O8
Mol. weight [g/mol]:	477.65
CAS:	14781-45-4

Physical Properties

Property code	Value	Unit	Source
hsub	108.00 ± 6.00	kJ/mol	NIST Webbook
ie	9.86 ± 0.05	eV	NIST Webbook
ie	9.68 ± 0.01	eV	NIST Webbook
ie	10.20	eV	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C14781454&Units=SI>

Legend

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

Latest version available from:

<https://www.cheméo.com/cid/77-008-8/Cupric-trifluoroacetylacetonate.pdf>

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