

# Copper dimer

**Inchi:** InChI=1S/2Cu  
**InchiKey:** ALKZAGKDWUSJED-UHFFFAOYSA-N  
**Formula:** Cu<sub>2</sub>  
**SMILES:** [Cu][Cu]  
**Mol. weight [g/mol]:** 127.09  
**CAS:** 12190-70-4

## Physical Properties

Property code	Value	Unit	Source
ea	0.84 ± 0.15	eV	NIST Webbook
ea	0.88 ± 0.02	eV	NIST Webbook
ea	0.84 ± 0.01	eV	NIST Webbook
ie	7.90 ± 0.01	eV	NIST Webbook
ie	7.46 ± 0.15	eV	NIST Webbook
ie	7.90 ± 0.01	eV	NIST Webbook
ie	7.89 ± 0.01	eV	NIST Webbook
ie	7.37	eV	NIST Webbook
ie	7.80 ± 0.40	eV	NIST Webbook
ie	7.80	eV	NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C12190704&Units=SI>

## Legend

**ea:** Electron affinity  
**ie:** Ionization energy

Latest version available from:

<https://www.chemeo.com/cid/52-849-2/Copper-dimer.pdf>

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