

Molecular Origami of Copper, Type 1 (Blue) (1) Cu
given information

ElementNames	[(Cu) (N) (N) (O) (S) (S)]	
distance	193.711	Cu ¹ -N ³
distance	196.243	Cu ¹ -N ⁷
distance	212.833	Cu ¹ -S ²
distance	295.316	Cu ¹ -S ¹
distance	320.253	Cu ¹ -O ⁵
angle	69.470	O ⁵ -Cu ¹ -N ⁷
	311.4	O ⁵ -N ⁷
angle	78.165	O ⁵ -Cu ¹ -N ³
	338.6	O ⁵ -N ³
angle	78.971	S ¹ -Cu ¹ -N ⁷
	321.8	S ¹ -N ⁷
angle	95.757	S ¹ -Cu ¹ -N ³
	369.1	S ¹ -N ³
angle	100.026	S ² -Cu ¹ -O ⁵
	414.2	S ² -O ⁵
angle	103.184	N ⁷ -Cu ¹ -N ³
	305.6	N ⁷ -N ³
angle	112.922	S ² -Cu ¹ -S ¹
	426.	S ² -S ¹
angle	116.780	S ² -Cu ¹ -N ³
	346.4	S ² -N ³
angle	135.861	S ² -Cu ¹ -N ⁷
	379.2	S ² -N ⁷
angle	145.238	S ¹ -Cu ¹ -O ⁵
	587.5	S ¹ -O ⁵
dopage	T	
AutoAlign	F	

structure type: XABCDE

ORTEP diagram of the crystal structure of Copper Type I (Blue). The diagram shows a zigzag chain of copper (Cu), sulfur (S), and nitrogen (N) atoms. Key bond lengths include Cu-S (2.13 Å), Cu-N (1.94 Å), and Cu-O (1.94 Å). Key angles include S-Cu-S (125.1°) and N-Cu-N (125.1°). The structure is shown with thermal ellipsoids at the 50% probability level.

Copper, Type 1 (Blue) (1) Cu

offsetx 0.21 offsety 1.67

View -1

actual size: 285 629

actual size: 285 629