

Molecular Origami of CH2Br2

given information

ElementNames	[(C) (Br) (Br) (H) (H)]	
distance	99.996	C ¹ -H ¹
distance	100.000	C ¹ -H ²
distance	188.841	C ¹ -Br ²
distance	190.167	C ¹ -Br ¹
angle	109.098	H ¹ -C ¹ -Br ²
	240.9	H ¹ -Br ²
angle	109.099	H ² -C ¹ -Br ¹
	242.1	H ² -Br ¹
angle	109.100	H ² -C ¹ -Br ²
	240.9	H ² -Br ²
angle	109.100	H ¹ -C ¹ -Br ¹
	242.1	H ¹ -Br ¹
angle	109.496	H ² -C ¹ -H ¹
	163.3	H ² -H ¹
angle	110.930	Br ² -C ¹ -Br ¹
	312.2	Br ² -Br ¹
dopage	T	
AutoAlign	F	

structure type: XABCD

!C1
Br1
Br2
H1
H2
CH2Br2

```
scale 250,000,000 : 1
units: pm
offsetx 0.36 offsety 2.27
```

ORTEP diagram of the crystal structure of 2,2,4,4-tetrabromo-1,3-dichloro-5,5-dimethylpentane. The structure shows a central carbon chain with bromine and chlorine substituents. Key bond lengths include C-Br (1.90 Å), C-Cl (1.89 Å), and C-C (1.32 Å). Key angles include C-Br-C (109.1°) and C-Cl-C (109.1°). The structure is shown in a perspective view with thermal ellipsoids at the 50% probability level.

actual size: 393 444

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