

Molecular Origami of SbPh5

given information

ElementNames	[(Sb) (C) (C) (C) (C) (C)]	
distance	212.759	Sb ¹ -C ¹⁹
distance	220.231	Sb ¹ -C ¹
distance	221.310	Sb ¹ -C ⁷
distance	222.500	Sb ¹ -C ¹³
distance	222.514	Sb ¹ -C ²⁵
angle	86.671	C ⁷ -Sb ¹ -C ¹³
	304.6	C ⁷ -C ¹³
angle	87.810	C ⁷ -Sb ¹ -C ¹
	306.2	C ⁷ -C ¹
angle	88.433	C ²⁵ -Sb ¹ -C ¹
	308.8	C ²⁵ -C ¹
angle	88.625	C ²⁵ -Sb ¹ -C ¹³
	310.9	C ²⁵ -C ¹³
angle	96.431	C ²⁵ -Sb ¹ -C ¹⁹
	324.6	C ²⁵ -C ¹⁹
angle	99.589	C ⁷ -Sb ¹ -C ¹⁹
	331.6	C ⁷ -C ¹⁹
angle	104.825	C ¹⁹ -Sb ¹ -C ¹
	343.1	C ¹⁹ -C ¹
angle	105.927	C ¹⁹ -Sb ¹ -C ¹³
	347.5	C ¹⁹ -C ¹³
angle	149.244	C ¹³ -Sb ¹ -C ¹
	426.9	C ¹³ -C ¹
angle	163.976	C ⁷ -Sb ¹ -C ²⁵
	439.5	C ⁷ -C ²⁵
dopage	T	
AutoAlign	F	

structure type: XABCDE

!Sb1
C1
C13
C19
C25
C7
SbPh5

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scale 175,000,000 : 1  
units: pm  
offsetx 0.88 offsety 1
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ORTEP diagram of the crystal structure of 17SM:1 SbPh₅. The diagram shows a central antimony atom (Sb) coordinated by five phenyl rings. The structure is highly symmetric, with several phenyl rings appearing as shaded areas. Bond lengths and angles are labeled throughout the structure.

actual size: 357 665

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