

Molecular Origami of HSO4^-  
given information

ElementNames	[ (S) (O) (O) (O) (O) ]	
distance	143.205	S <sup>1</sup> -O <sup>3</sup>
distance	144.046	S <sup>1</sup> -O <sup>2</sup>
distance	145.681	S <sup>1</sup> -O <sup>4</sup>
distance	155.395	S <sup>1</sup> -O <sup>1</sup>
angle	104.343	O <sup>3</sup> -S <sup>1</sup> -O <sup>1</sup>
	236.	O <sup>3</sup> -O <sup>1</sup>
angle	106.624	O <sup>2</sup> -S <sup>1</sup> -O <sup>1</sup>
	240.2	O <sup>2</sup> -O <sup>1</sup>
angle	106.873	O <sup>4</sup> -S <sup>1</sup> -O <sup>1</sup>
	241.9	O <sup>4</sup> -O <sup>1</sup>
angle	111.393	O <sup>4</sup> -S <sup>1</sup> -O <sup>2</sup>
	239.3	O <sup>4</sup> -O <sup>2</sup>
angle	113.286	O <sup>4</sup> -S <sup>1</sup> -O <sup>3</sup>
	241.3	O <sup>4</sup> -O <sup>3</sup>
angle	113.602	O <sup>3</sup> -S <sup>1</sup> -O <sup>2</sup>
	240.4	O <sup>3</sup> -O <sup>2</sup>
dopage	T	
AutoAlign	F	

structure type: XABCD

!S1  
O1  
O2  
O3  
O4  
HSO4^-

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scale 250,000,000 : 1
units: pm
offsetx 0.16 offsety 1.75
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ORTEP diagram of the crystal structure of 250M:1 HSO<sub>4</sub>. The diagram shows a zigzag chain of SO<sub>4</sub> tetrahedra. Shaded triangles represent the SO<sub>4</sub> groups. Bond lengths are labeled: O-S bonds range from 143 to 146 pm, and O-O bonds range from 236 to 242 pm. Bond angles are labeled: 106.9, 107.4, 111.4, and 113.6 degrees.

actual size: 170 524