

Molecular Origami of Re(pyr)3Br3meridional

given information

ElementNames	[(Re) (Br) (Br) (Br) (N) (N) (N)]	
distance	211.008	Re ¹ -N ¹
distance	212.072	Re ¹ -N ³
distance	212.310	Re ¹ -N ²
distance	250.606	Re ¹ -Br ²
distance	251.180	Re ¹ -Br ¹
distance	253.399	Re ¹ -Br ³
angle	88.458	N ³ -Re ¹ -Br ²
	323.9	N ³ -Br ²
angle	89.192	N ³ -Re ¹ -N ²
	298.	N ³ -N ²
angle	89.299	N ³ -Re ¹ -Br ¹
	326.7	N ³ -Br ¹
angle	89.550	N ¹ -Re ¹ -Br ²
	326.3	N ¹ -Br ²
angle	89.701	N ¹ -Re ¹ -Br ³
	328.9	N ¹ -Br ³
angle	89.798	N ² -Re ¹ -Br ¹
	328.3	N ² -Br ¹
angle	89.999	Br ³ -Re ¹ -Br ²
	356.4	Br ³ -Br ²
angle	90.062	N ³ -Re ¹ -N ¹
	299.3	N ³ -N ¹
angle	90.109	N ² -Re ¹ -Br ²
	328.8	N ² -Br ²
angle	90.514	N ¹ -Re ¹ -Br ¹
	329.5	N ¹ -Br ¹
angle	91.037	N ² -Re ¹ -Br ³
	333.5	N ² -Br ³
angle	92.244	Br ³ -Re ¹ -Br ¹
	363.7	Br ³ -Br ¹
angle	177.756	Br ² -Re ¹ -Br ¹
	501.7	Br ² -Br ¹
angle	178.441	N ³ -Re ¹ -Br ³
	465.4	N ³ -Br ³
angle	179.187	N ² -Re ¹ -N ¹
	423.3	N ² -N ¹
dopage	T	
AutoAlign	F	

structure type: XABCDEF

ORTEP diagram of the polymeric complex $[\text{Re}(\text{pyr})_3\text{Br}_3]_n$. The structure shows a repeating unit of the polymer chain, with Re atoms coordinated by three pyridine rings and three bromine atoms. The structure is shown in a perspective view, with the polymer chain extending along the z-axis. The Re atoms are coordinated by three pyridine rings and three bromine atoms in an octahedral geometry. The bromine atoms are bridged between adjacent Re atoms, forming a chain. The pyridine rings are also bridged between adjacent Re atoms. The diagram includes bond lengths and angles for the repeating unit.

View -1

actual size: 347 712