

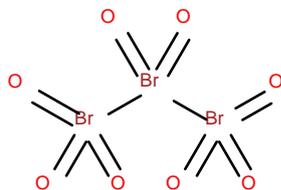
## Answer on Question #36428 - Chemistry - Inorganic Chemistry

### Question:

What is the hybridization state of the central Br atom in  $\text{Br}_3\text{O}_8$  ?

### Answer:

The  $\text{Br}_3\text{O}_8$  molecule has the following structure:



Each atom of bromine is bind to 4 atoms. So it forms 4 sigma bonds. Hence the hybridization of each bromine atom in this molecule is  $sp^3$ .