

## Paradox: You need a structure to determine a structure

- You need to have a structure with a molecular coordinate system
- You need to find five unknowns:
  1.  $D_a$ , the degree of alignment
  2.  $R$ , the rhombicity
  3. The orientation of the alignment axes  
Relative to the molecular frame ( $\alpha$ ,  $\beta$  and  $\gamma$ )