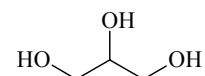
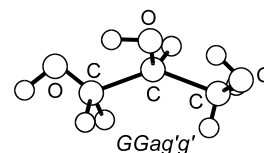
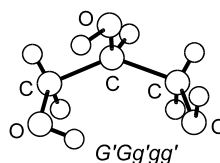


442  
MW $\text{C}_3\text{H}_8\text{O}_3$ **Glycerol**  
Propane-1,2,3-triol $\text{C}_1$  ( $G'Gg'gg'$ )  
 $\text{C}_1$  ( $GGag'g'$ )

Two conformers were assigned:  $G'Gg'gg'$  and  $GGag'g'$ . They are characterized by three and two intramolecular hydrogen bonds. Under the assumption that no conformational relaxation takes place in the adiabatic expansion and that a Boltzmann distribution of the rotational levels holds in the jet, the  $G'Gg'gg'$  conformer is more stable by  $2.6(6) \text{ kJ mol}^{-1}$  than  $GGag'g'$ .



Maccaferri, G., Caminati, W., Favero, P.G.: J. Chem. Soc., Faraday Trans. **93** (1997) 4115.