



 **Agonist binding sites**

 **Ethidium binding sites**

Figure 1-7. The binding site of ethidium localized by FRET

The proposed distance between the agonist site and the ethidium NCA binding site is ~30 Å (Herz *et al.*, 1989), while the distance between the agonist site and the lipid is ~30 Å (Valenzuela *et al.*, 1994; Unwin, 1993). The two possible ethidium binding sites based on these measurements are indicated. Measurement of the distance between the ethidium binding site and the lipid (~50 Å) favors the binding site at the extracellular end of the channel (Johnson and Nuss, 1994).