$$V_{f1} = k_{catP16c1} \cdot DHHC_{16t}$$

$$Km_{f1} = \frac{k_{c1P16ub} + k_{catP16c1}}{k_{c1P16b}}$$

$$V_{b1} = k_{catAPTc1} \cdot APT_{2t}$$

$$Km_{f1} = \frac{k_{c1APTub} + k_{catAPTc1}}{k_{c1APTb}}$$