

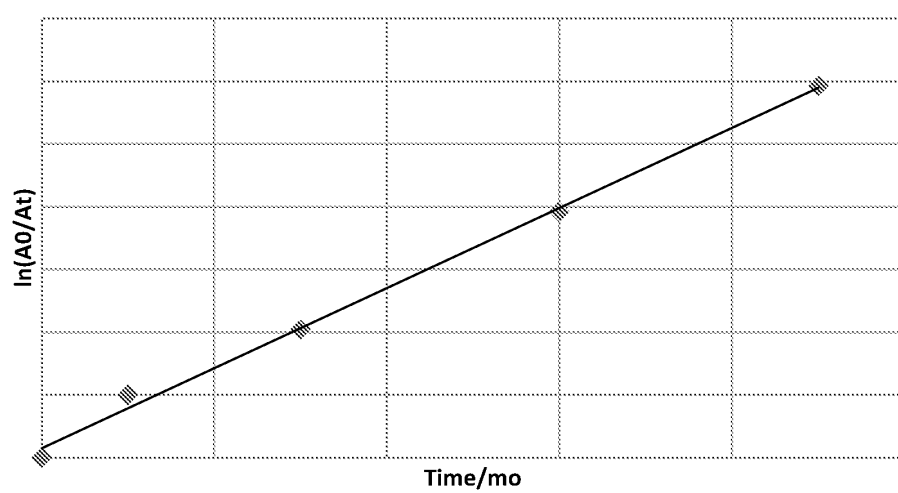


FIG. 1

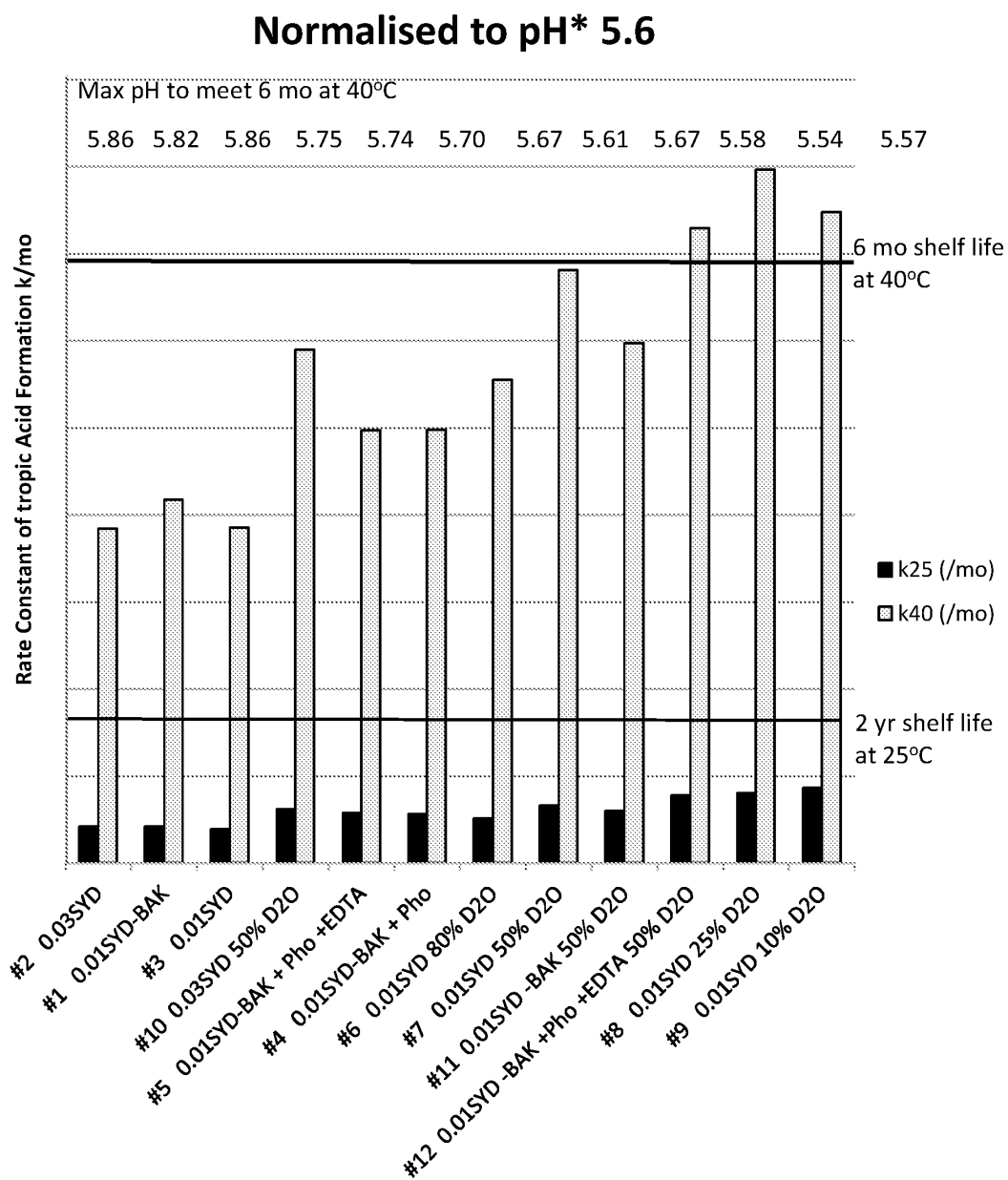


FIG. 2

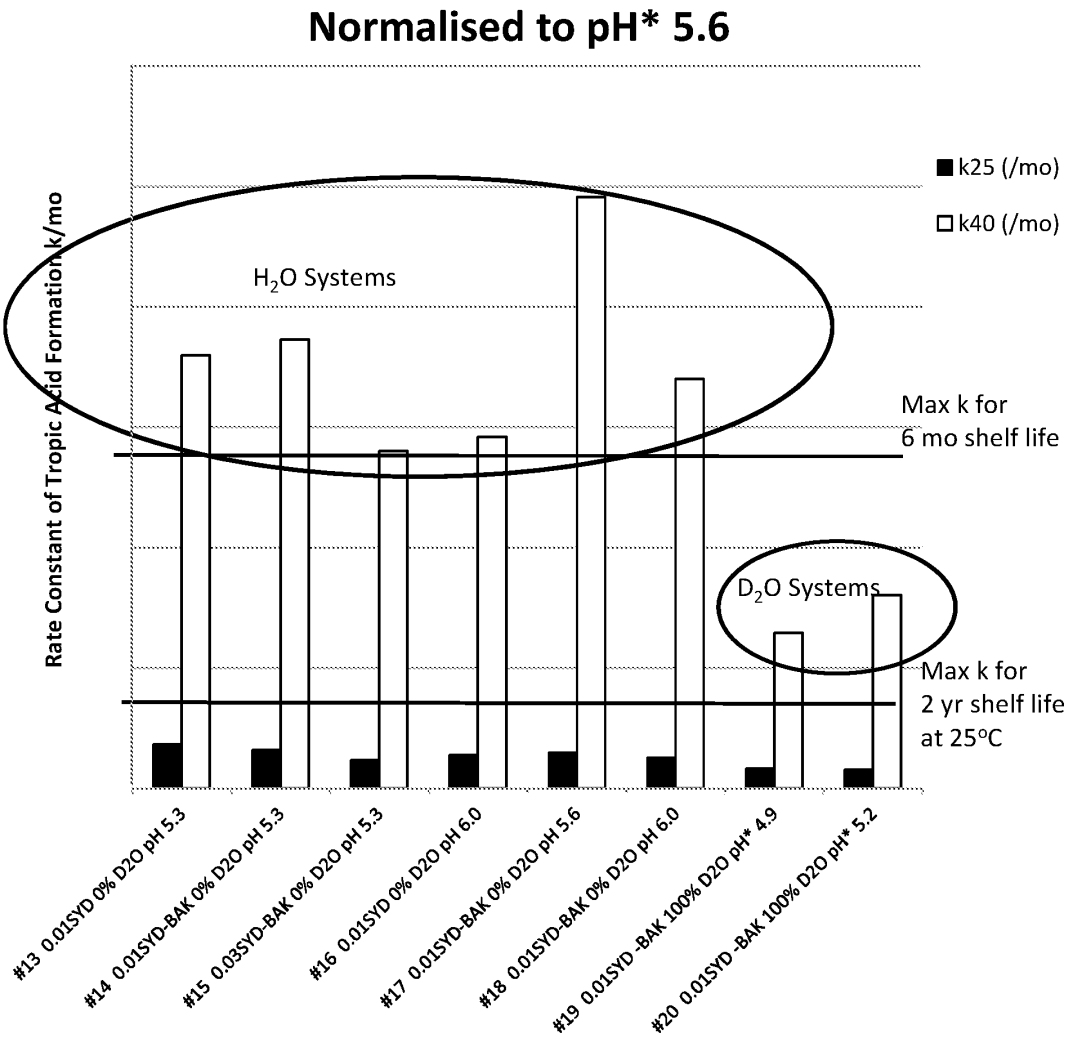


FIG. 3

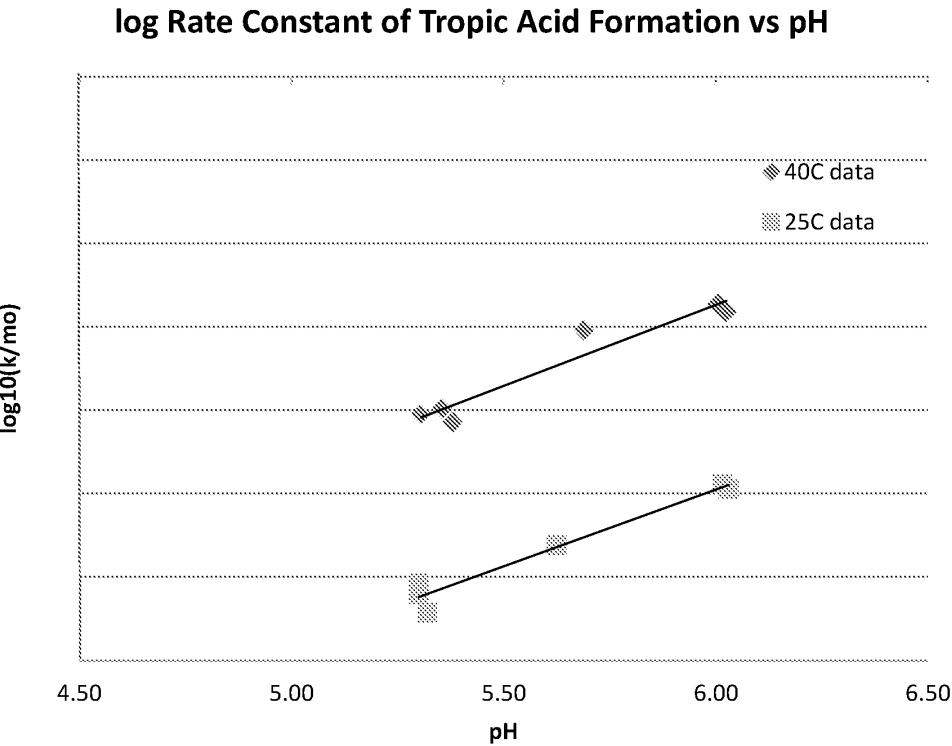


FIG. 4

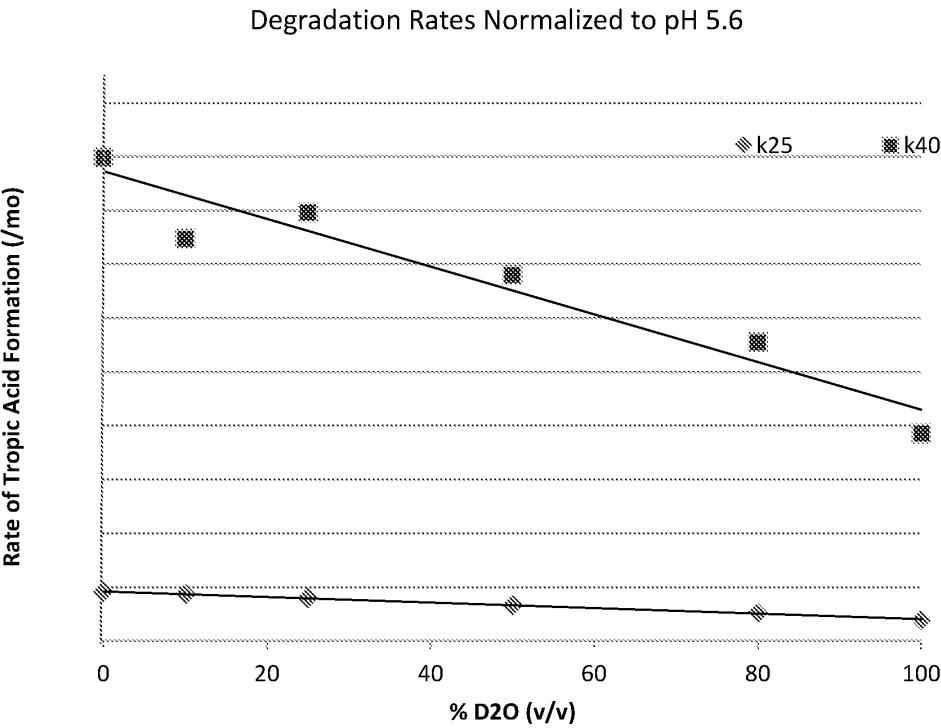


FIG. 5

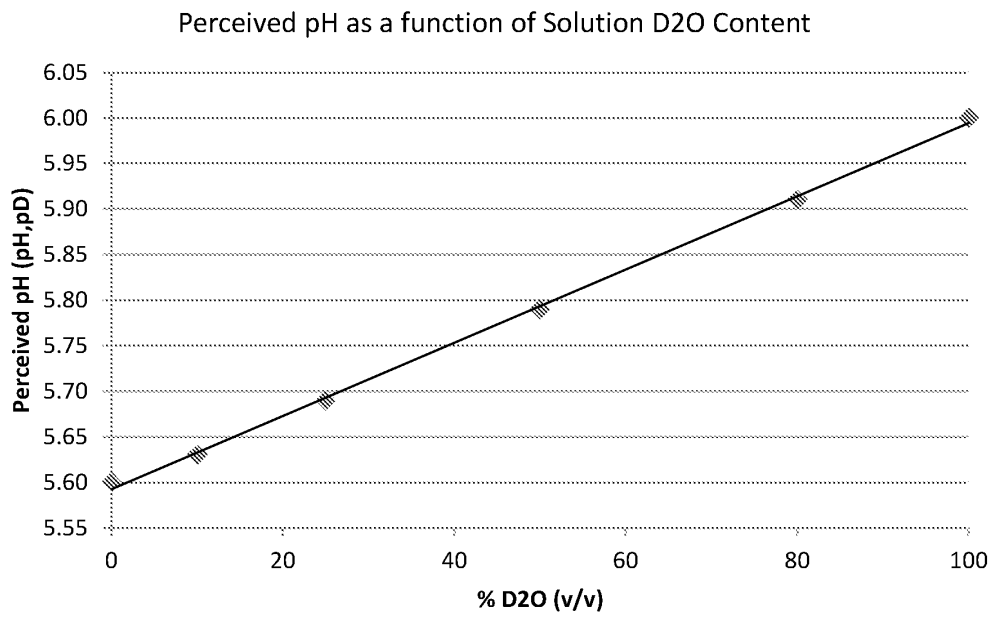


FIG. 6

25C Rate Constant of Tropic Acid Formation as a Function of % D2O (v/v).  $k$  adjusted to a measured pH of 5.6

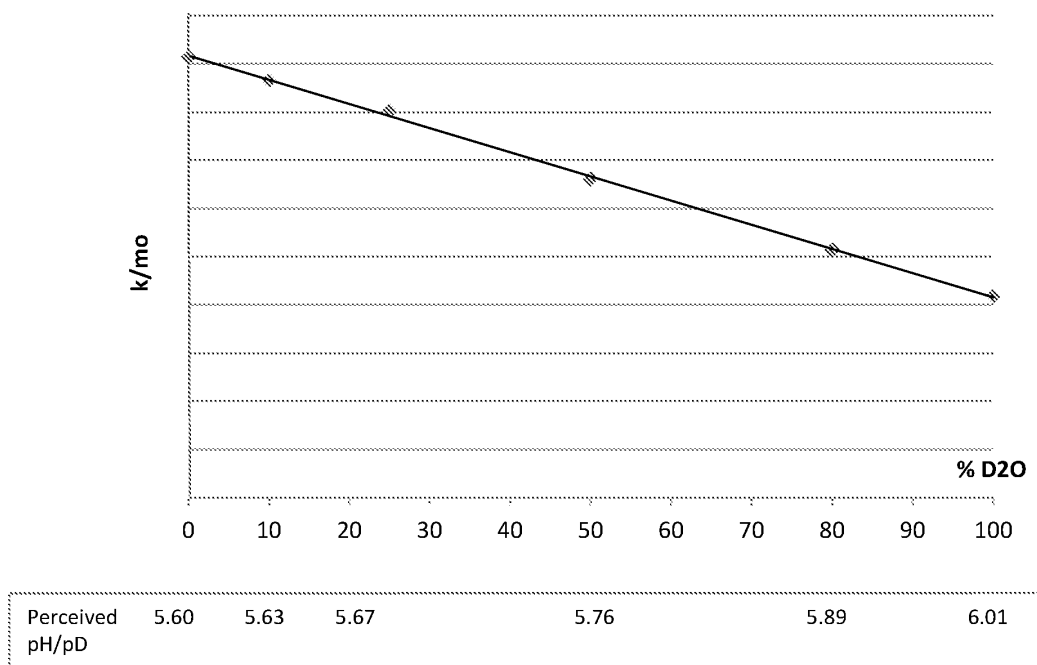


FIG. 7

### Ratio of First Order Rate Constants

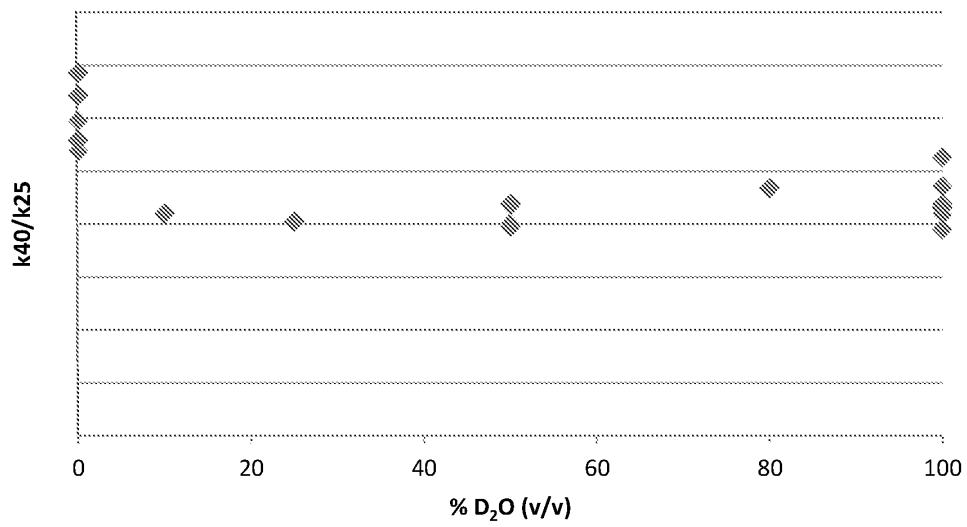


FIG. 8

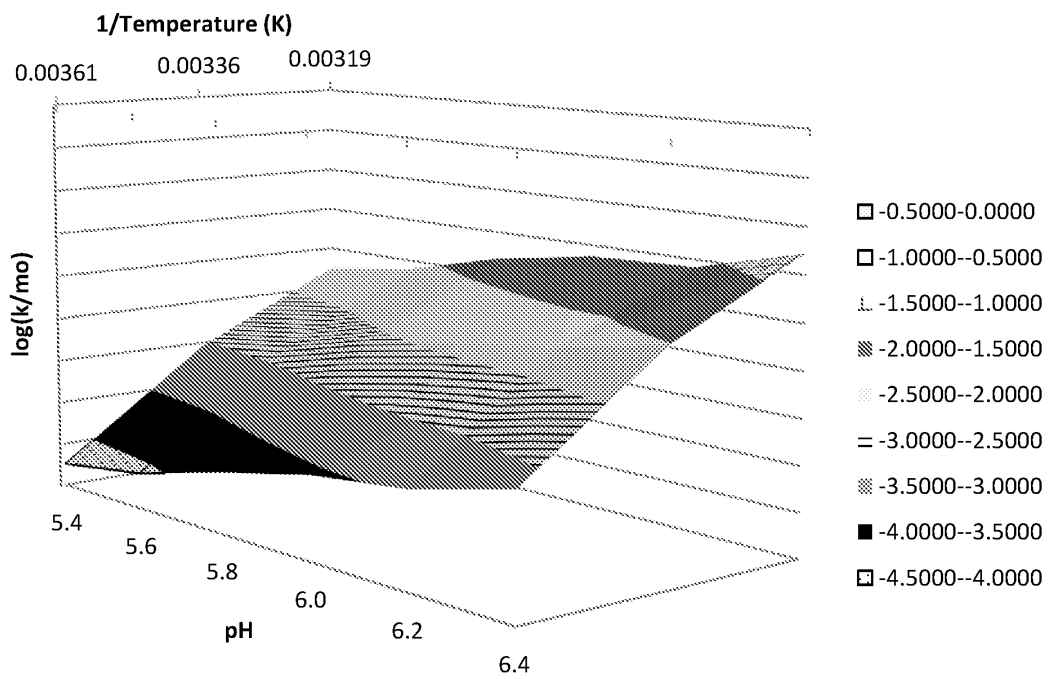


FIG. 9