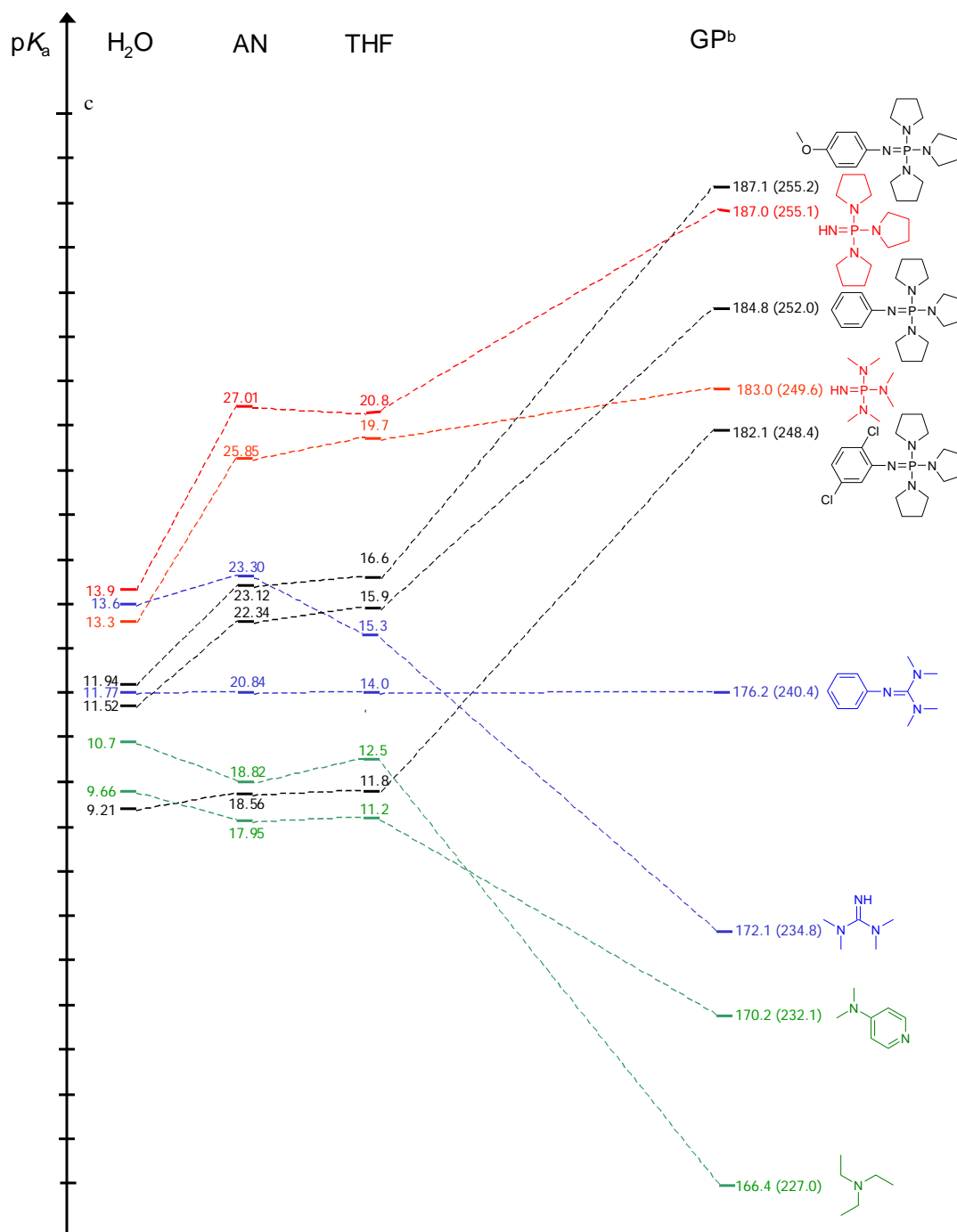


Figure 1. Interrelations Between Basicities of Bases Belonging to Different Families in Different Media.^a



^a The absolute pK_a values in different media are not directly comparable, so PhTMG has been used as an arbitrary reference compound for placement of the scales on the figure.

^b The pK_a values for the gas phase (GP) are found according to the following equation $pK_a(\text{GP}) = \text{GB} \cdot 2.30 / RT = \text{GB} / 1.364$. The gas-phase basicities (in kcal/mol) are given in brackets.

^c The pK_a arrow is divided into pK_a units but as the pK_a values in different media cannot be compared directly, the numbers were not added to the division markers.