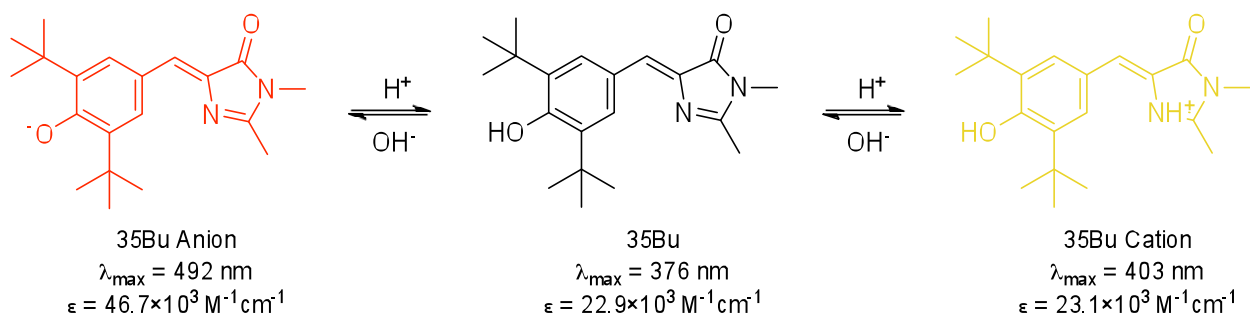


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Scheme 1. Structural chemistry, absorption maxima, and extinction coefficients for 35Bu.

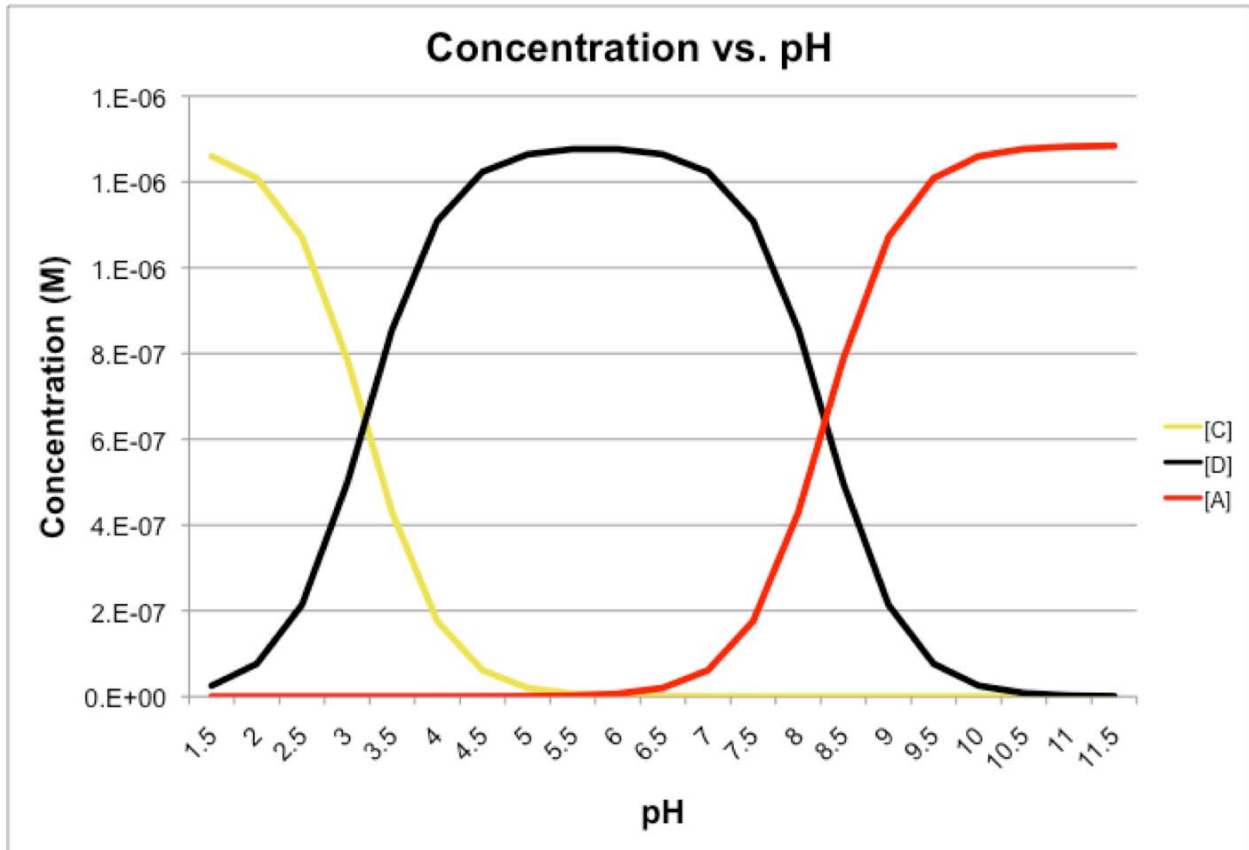


Figure 1. Concentration of 35Bu and its ions under different pH conditions.

$$[C] = \frac{D_0}{(1+10^{pH-3.2})} \quad [A] = \frac{10^{pH-8.3} * D_0}{(1+10^{pH-8.3})} \quad [D] = [D_0] - [C] - [A]$$

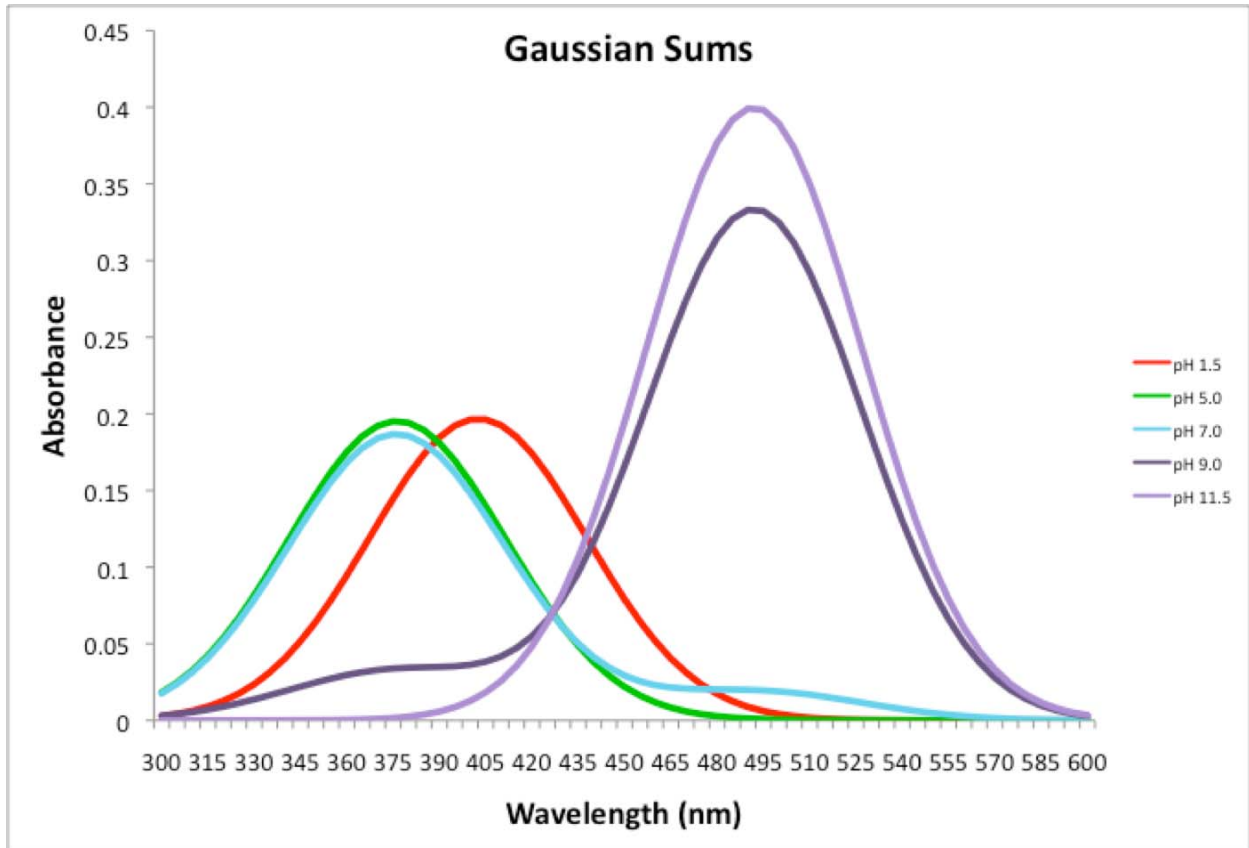


Figure 2. Absorbance of dominant 35Bu species at various pH conditions.