Figure 8.10  UV–visible spectra of the equimolar mixture of \( p \)-nitrophenyl-aza-phenol with \([\text{PP}_3\text{RuH}_2]\) in the presence of 8 vol\% of CH\(_3\)CN and CH\(_3\)CN in THF. \( c = 0.001 \text{ M}, 230 \text{ K} \). The spectrum in pure THF is given for reference. The resulting media polarity (in parenthesis) was calculated according to the formula

\[
\epsilon = \frac{(c_{\text{THF}}\epsilon_{\text{THF}} + c_i\epsilon_i)}{100},
\]

where \( c_i \) is the relative concentration of the \( i \)th component (\( c_{\text{THF}} + c_i = 100\% \text{ v/v} \)), and \( \epsilon_i \) is its dielectric permittivity at 230 K [25].