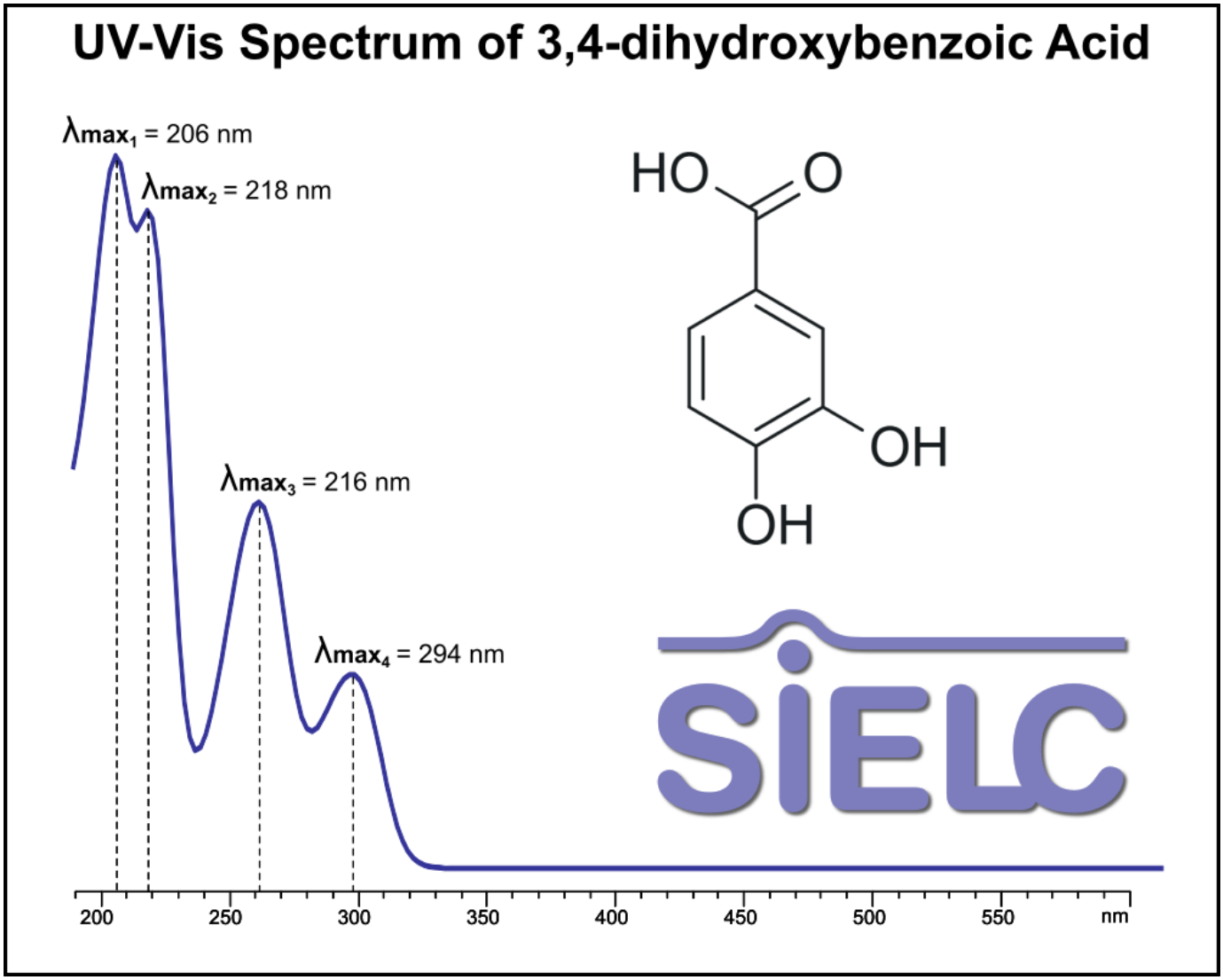
UV-Vis Spectrum of 3,4-dihydroxybenzoic Acid

https://sielc.com/uv-vis-spectrum-of-34-dihydroxybenzoic-acid

Chromatogram



UV-Vis Spectrum of3,4-Dihydroxybenzoic Acid. Absorption Maxima: 206 nm, 218 nm, 216 nm, 294 nm.

Description

For optimal results in HPLC analysis, it is recommended to measure absorbance at a wavelength that matches the absorption maximum of the compound(s) being analyzed. The UV spectrum shown can assist in selecting an appropriate wavelength for your analysis. Please note that certain mobile phases and buffers may block wavelengths below 230 nm, rendering absorbance measurement at these wavelengths ineffective. If detection below 230 nm is required, it is recommended to use acetonitrile and water as low UV-transparent mobile phases, with phosphoric acid and its salts, sulfuric acid, and TFA as buffers. For some compounds, the UV-Vis Spectrum is affected by the pH of the mobile phase. The spectra presented here are measured with an acidic mobile phase that has a pH of 3 or lower.