

Question#69132 – Chemistry – Organic chemistry

Question: I would like to ask p-nitroacetanilide is absorbed at wavelength. How much. Because i want to use spectrometer to make benchmarking of p-nitroacetanilide. Source of your information.

Answer:

p-Nitroacetanilide has two bands of absorption: $\lambda_{max} = 222 \text{ nm}$ with intensity 13200 and $\lambda_{max} = 316 \text{ nm}$ with intensity 11400.

Source:

Ultraviolet Absorption Spectra of Acetanilides Herbert E. Ungnade

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