

Fig S1A: UV spectrum of Piracetam in 0.1M HCl.

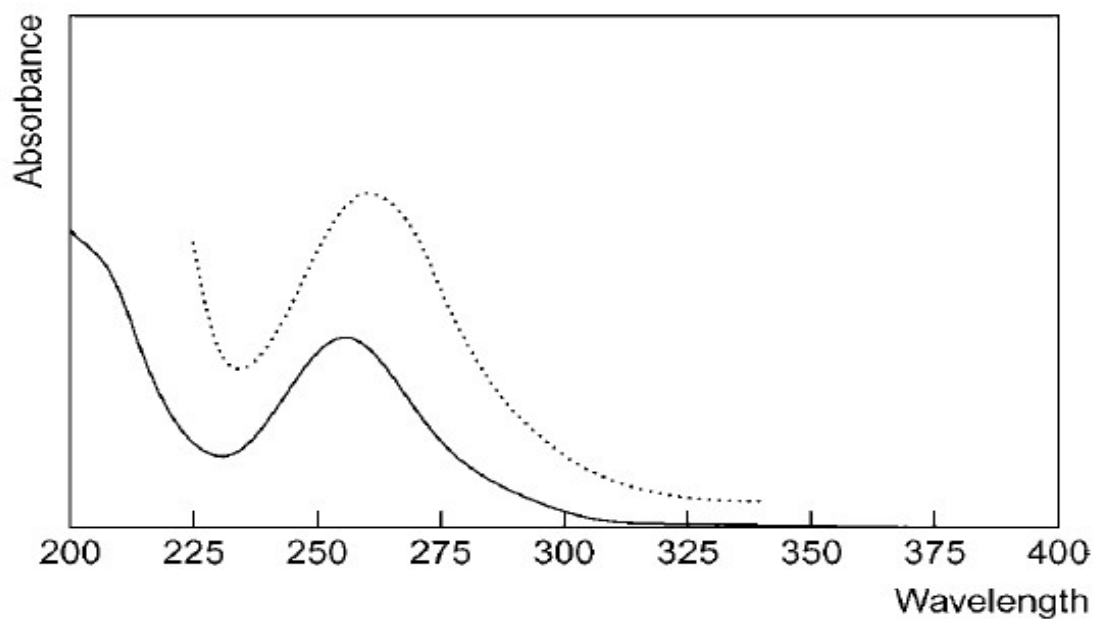


Fig S1B: UV spectrum of ketoprofen aqueous acid and alkali at $\lambda_{\text{max}} = 260 \text{ nm}$ and 262 nm .

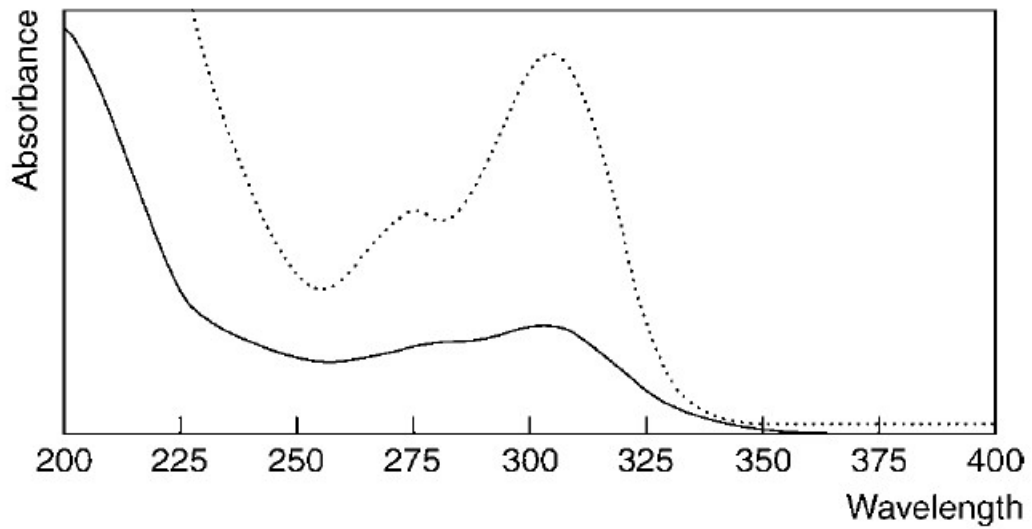


Fig S1C: UV spectrum of omeprazole in aqueous acidic (0.2 M/L sulfuric acid) at λ max = 277 nm and 303 nm.

- **Environmental impact evaluation**
- **The carbon footprint in kg CO₂ eq =**

Instrument Power (KW). Analysis time (h). Emission factor for electricity (kg CO₂/kWh)

The power consumption taken as reference for HPLC is equal 200 W

The reference constant value emission factor equal to 0.247 kg CO₂/kWh

The analysis time = 8 minutes = 0.13 h

= 0.200 (KW) X 0.13 (h)X 0.247 = 0.00659 Kg CO₂ equivalent