

## Preliminary *in vitro* study Karnosin Extra stability

UV/VIS spectra were determined for carnosine (Figure 1.) and histidine (Figure 3.) and compared to the spectra of both carnosine and carnosine extra with enzyme carnosinase after 10 minutes of incubation. Carnosine in the presence of the enzyme showed different spectra comparing to only carnosine (Figure 2.) (almost similar to the histidine spectra Figure 3.).

Figure 1. UV-visible absorption spectra of L-Carnosine

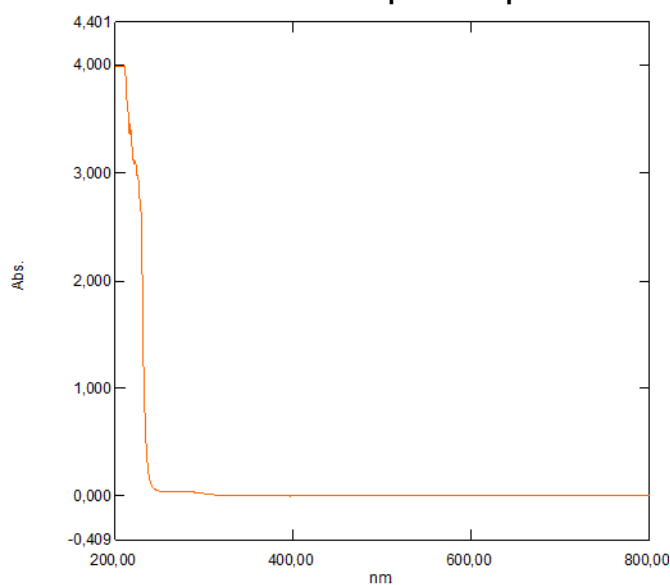


Figure 2. UV-visible absorption spectra of L- Carnosine +enzyme carnosinase

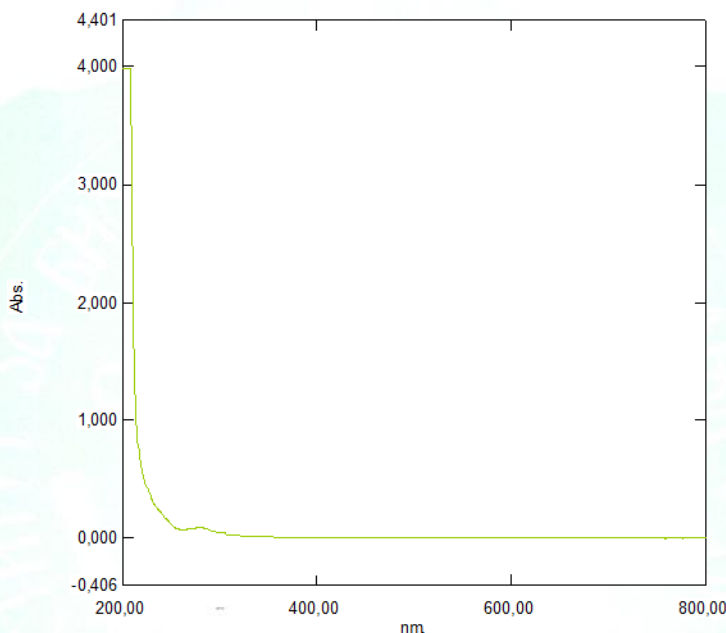
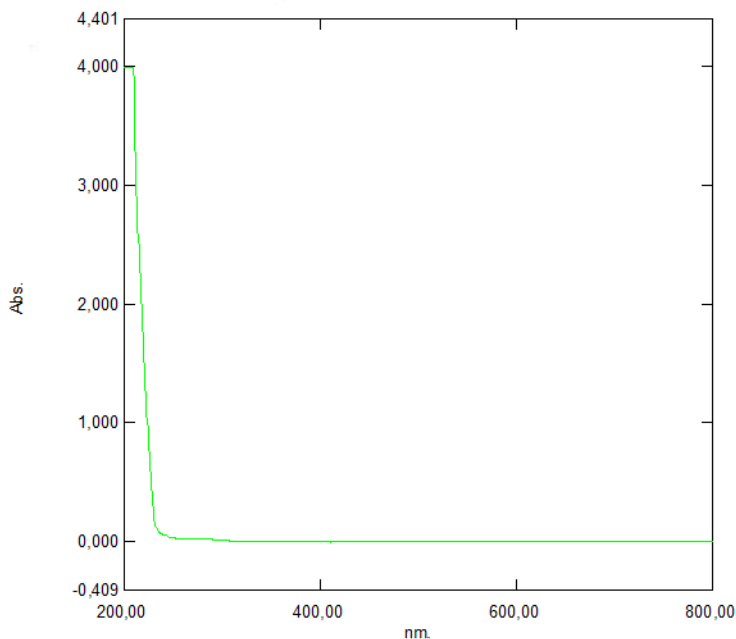


Figure 3. UV-visible absorption spectra of Histidine



Preliminary results showed that there was no difference between spectra of Karnosin Extra with and without enzyme (Figures 4 and 5).

Figure 4. UV-visible absorption spectra of Karnosin Extra

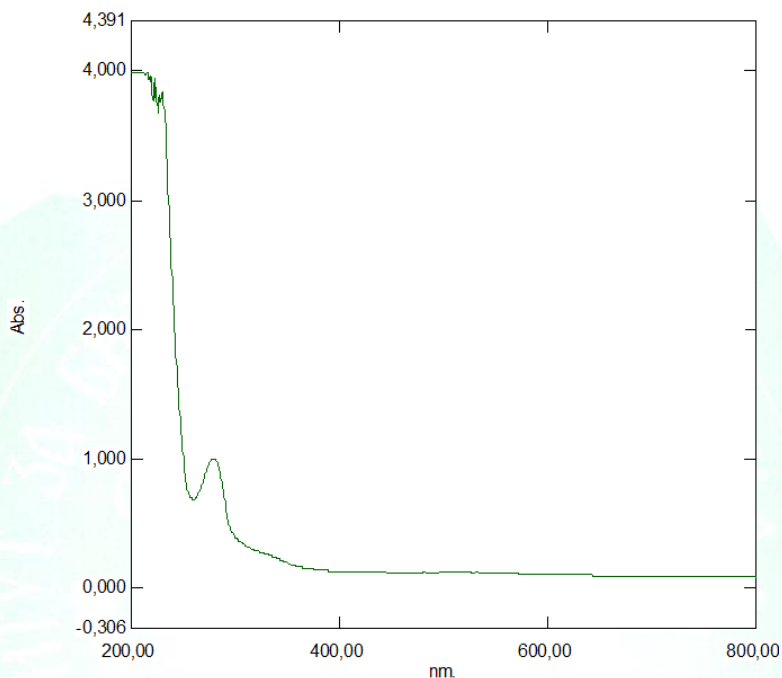
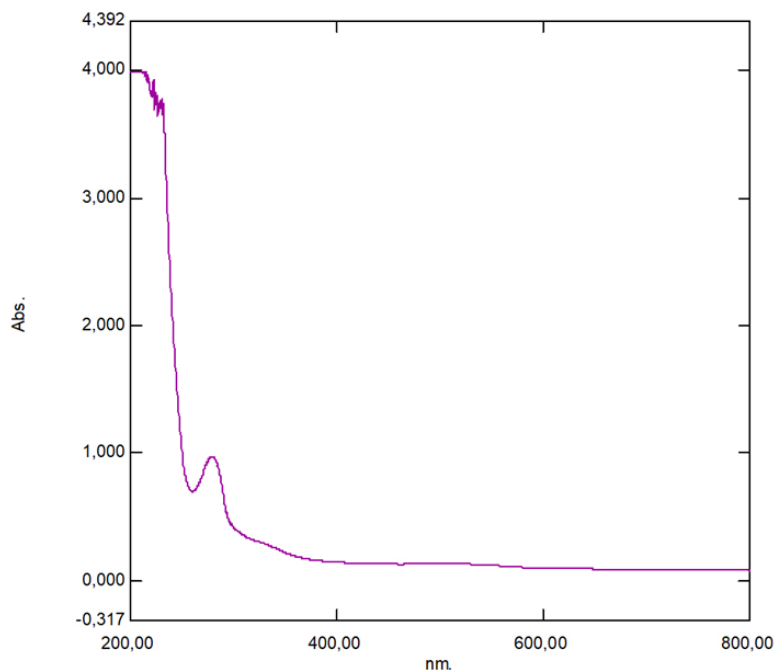


Figure 5. UV-visible absorption spectra of Karnosin Extra + enzyme Carnosinase



According to those results there is an indicia that carnosine in Karnosin Extra is somehow stabilized.

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