**Table 2.** The thermodynamic parameters of the native and ferulic acid modified HlH thermal denaturation.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sample | Tm1  (°C) | ∆H1  (kJ mol-1) | Tm2 (°C) | ∆H2  (kJ mol-1) | Tm3  (°C) | ∆H3  (kJ mol-1) | Tm4 (°C) | ∆H4  (kJ mol-1) | Tm5 (°C) | ∆H5  (kJ mol-1) | ∆Htotal  (kJ mol-1) | ∆Hcal  (kJ mol-1) |
| native HlH | 49.9 | 38080 | 55.2 | 10752 | 67.6 | 92858 | 75.7 | 99308 | 79.8 | 22263 | 263261 | 279337 |
| FA-HlH-1 |  |  | 60.4 | 40802 | 68.3 | 79585 | 75.4 | 77372 | 80.4 | 20111 | 217870 | 214977 |
| FA-HlH-2 |  |  | 58.9 | 72399 | 68.5 | 70882 | 75.5 | 67464 | 81.0 | 27466 | 239091 | 245351 |

FA-HlH-1 (40 folic acid residues); FA-HlH-2 (120 folic acid residues)