

Table S1. Spectral shift in the secondary structure of silkworm pupae protein (Spp, 0.2 mg/ml), silkworm pupae protein- glucose conjugate (Spp-Glu, 0.2 mg/mL), and cyanidin-3-O-glucoside (C3G, 60 μ M) binding with Spp and Spp-Glu determined by Fourier transform infrared (FTIR) analysis.

Samples	Amide I (cm^{-1})	Amide II (cm^{-1})
Spp	1658.49	1546.63
Spp+C3G	1652.70	1538.92
Spp-Glu	1650.77	1546.63
Spp-Glu+C3G	1643.06	1542.78