

Chemical and biological profiling of fish and seaweed residues to be applied for plant fertilization

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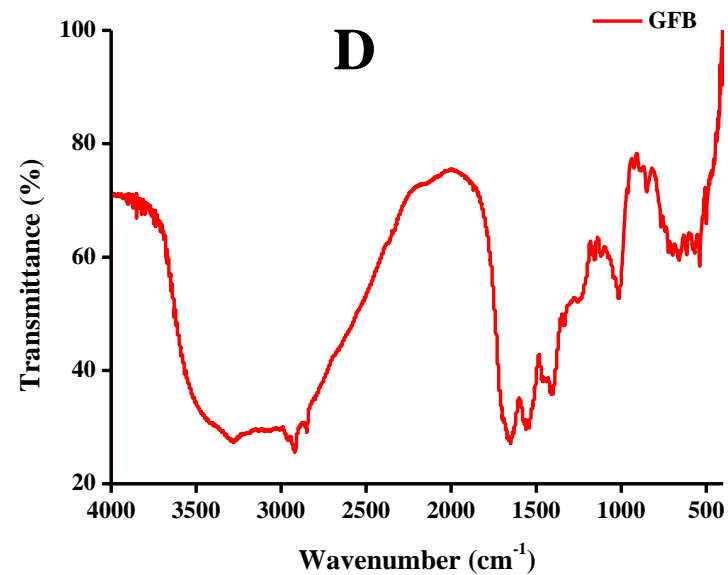
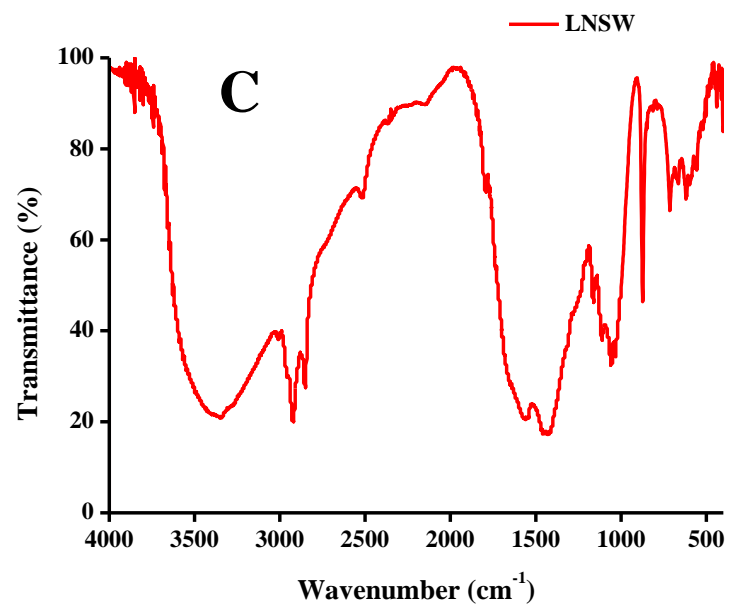
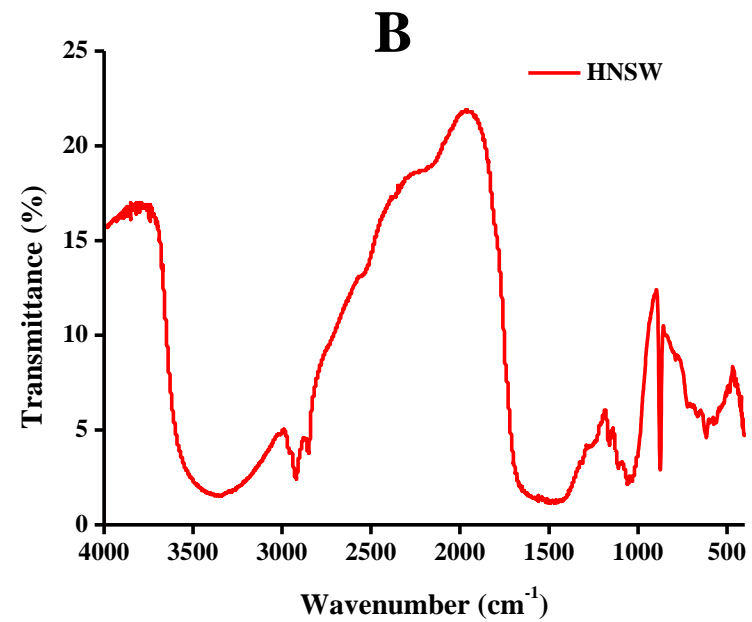
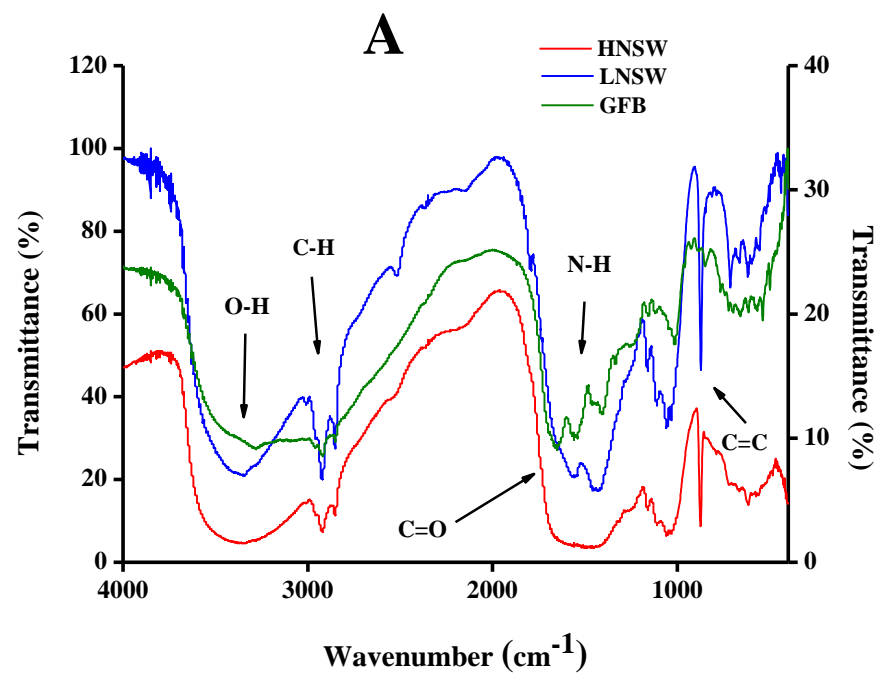
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Table S1: Extract concentrations expressed at ng_{extract}/g dry material/mL DMSO

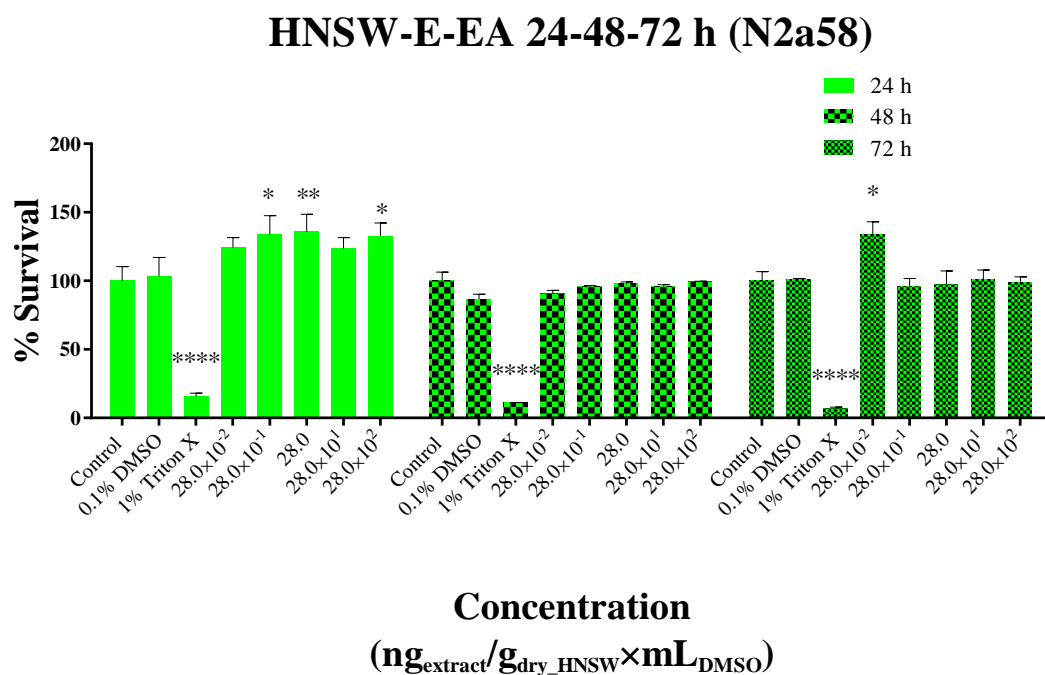
HNSW-E-EA 1%	28.0 ng _{extract} /g dry HNSW/mL DMSO
HNSW-E-EA 5%	14.0×10 ¹ ng _{extract} /g dry HNSW/mL DMSO
HNSW-E-EA 10%	28.0×10 ¹ ng _{extract} /g dry HNSW/mL DMSO
HNSW-E-EA 30%	84.0×10 ¹ ng _{extract} /g dry HNSW/mL DMSO
HNSW-E-EA 50%	14.0×10 ² ng _{extract} /g dry HNSW/mL DMSO
HNSW-E-EA 80%	22.4×10 ² ng _{extract} /g dry HNSW/mL DMSO
LNSW-E-EA 1%	24.6 ng _{extract} /g dry LNSW/mL DMSO
LNSW-E-EA 5%	12.3×10 ¹ ng _{extract} /g dry LNSW/mL DMSO
LNSW-E-EA 10%	24.6×10 ¹ ng _{extract} /g dry LNSW/mL DMSO
LNSW-E-EA 30%	73.8×10 ¹ ng _{extract} /g dry LNSW/mL DMSO
LNSW-E-EA 50%	12.3×10 ² ng _{extract} /g dry LNSW/mL DMSO
LNSW-E-EA 80%	19.7×10 ² ng _{extract} /g dry LNSW/mL DMSO
GFB-E-EA 1%	64.8 ng _{extract} /g dry GFB/mL DMSO
GFB-E-EA 5%	32.4×10 ¹ ng _{extract} /g dry GFB/mL DMSO
GFB-E-EA 10%	64.8×10 ¹ ng _{extract} /g dry GFB/mL DMSO
GFB-E-EA 30%	19.4×10 ² ng _{extract} /g dry GFB/mL DMSO
GFB-E-EA 50%	32.4×10 ² ng _{extract} /g dry GFB/mL DMSO
GFB-E-EA 80%	51.8×10 ² ng _{extract} /g dry GFB/mL DMSO

Figure captions

- Fig. S1:** **A.** FT-IR Comparative spectra of **HNSW**, **LNSW**, and **GFB** samples
 B. FT-IR spectrum of **HNSW**
 C. FT-IR spectrum of **LNSW**
 D. FT-IR spectrum of **GFB**
- Fig. S2:** In vitro cell viability in the presence of **HNSW-E-EA** for 24, 48, and 72 h in **A.** N2a58, and **B.** SH-SY5Y cell cultures in a concentration-dependent fashion.
- Fig. S3:** In vitro cell viability in the presence of **LNSW-E-EA** for 24, 48, and 72 h in **A.** N2a58, and **B.** SH-SY5Y cell cultures in a concentration-dependent fashion.
- Fig. S4:** Morphological studies of **HNSW-E-EA**, **LNSW-E-EA**, and **GFB-E-EA** in SH-SY5Y cultures for 0, 24, 48, and 72 h at the highest concentration of extracts investigated (**HNSW-E-EA**, 28.0×10^2 ng_{extract}/g dry HNSW/mL DMSO; **LNSW-E-EA**, 24.6×10^2 ng_{extract}/g dry LNSW/mL DMSO, and **GFB-E-EA**, 64.8×10^2 ng_{extract}/g dry GFB/mL DMSO).

**Figure S1**

A



B

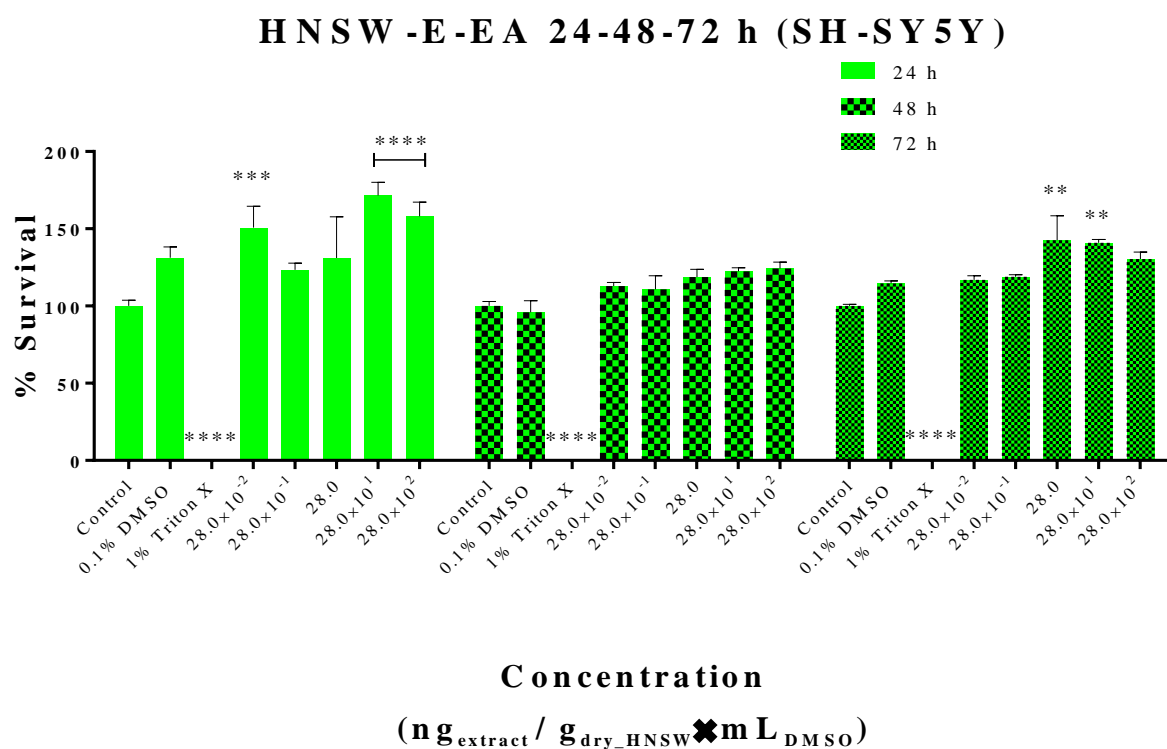
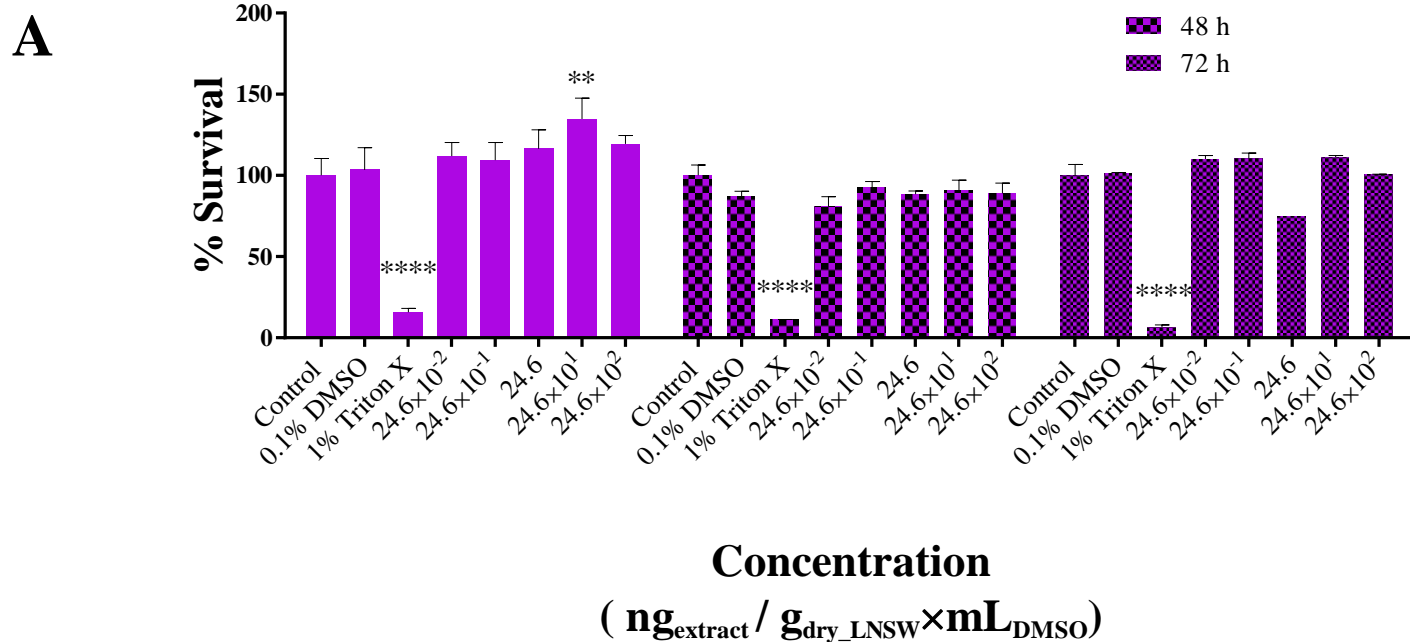


Figure S2

LNSW-E-EA 24-48-72 h (N2a58)



LNSW-E-EA 24-48-72 h (SH-SY5Y)

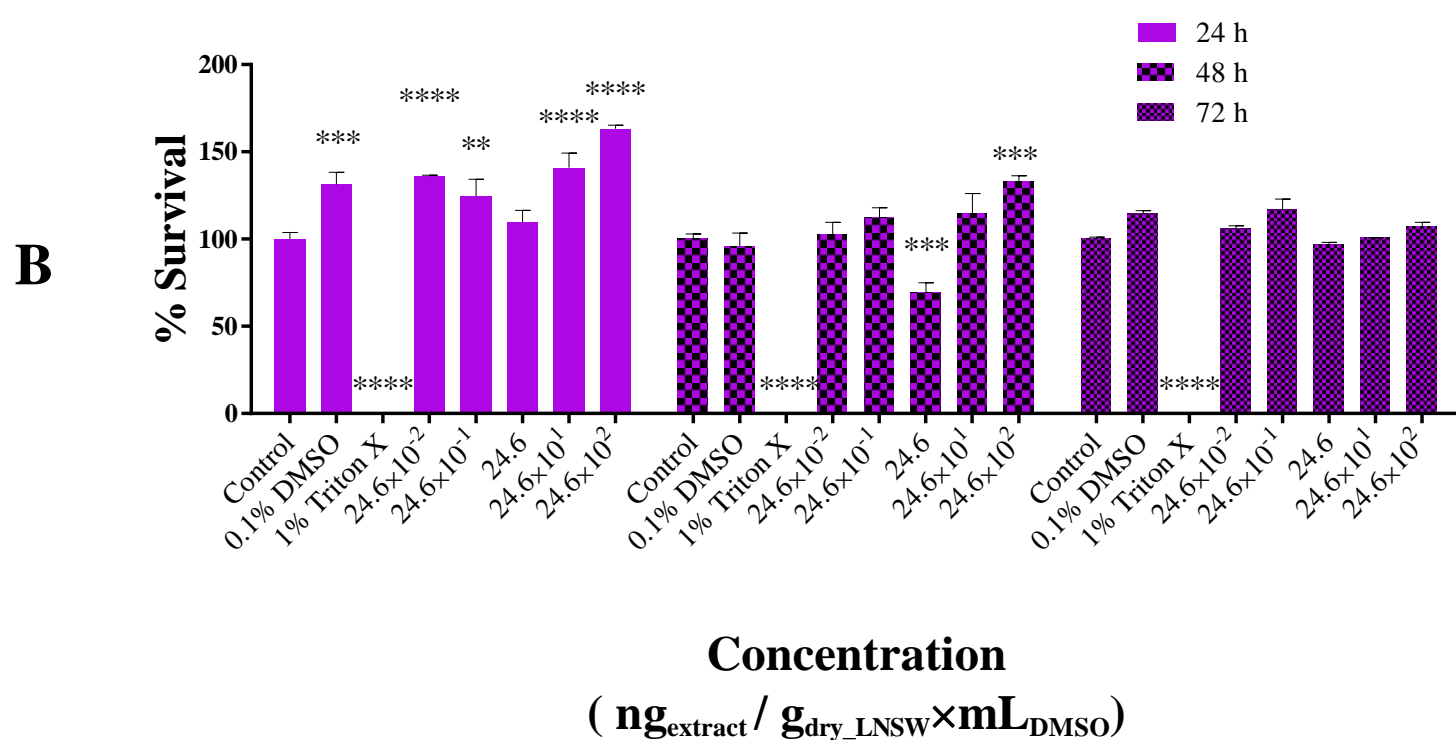


Figure S3

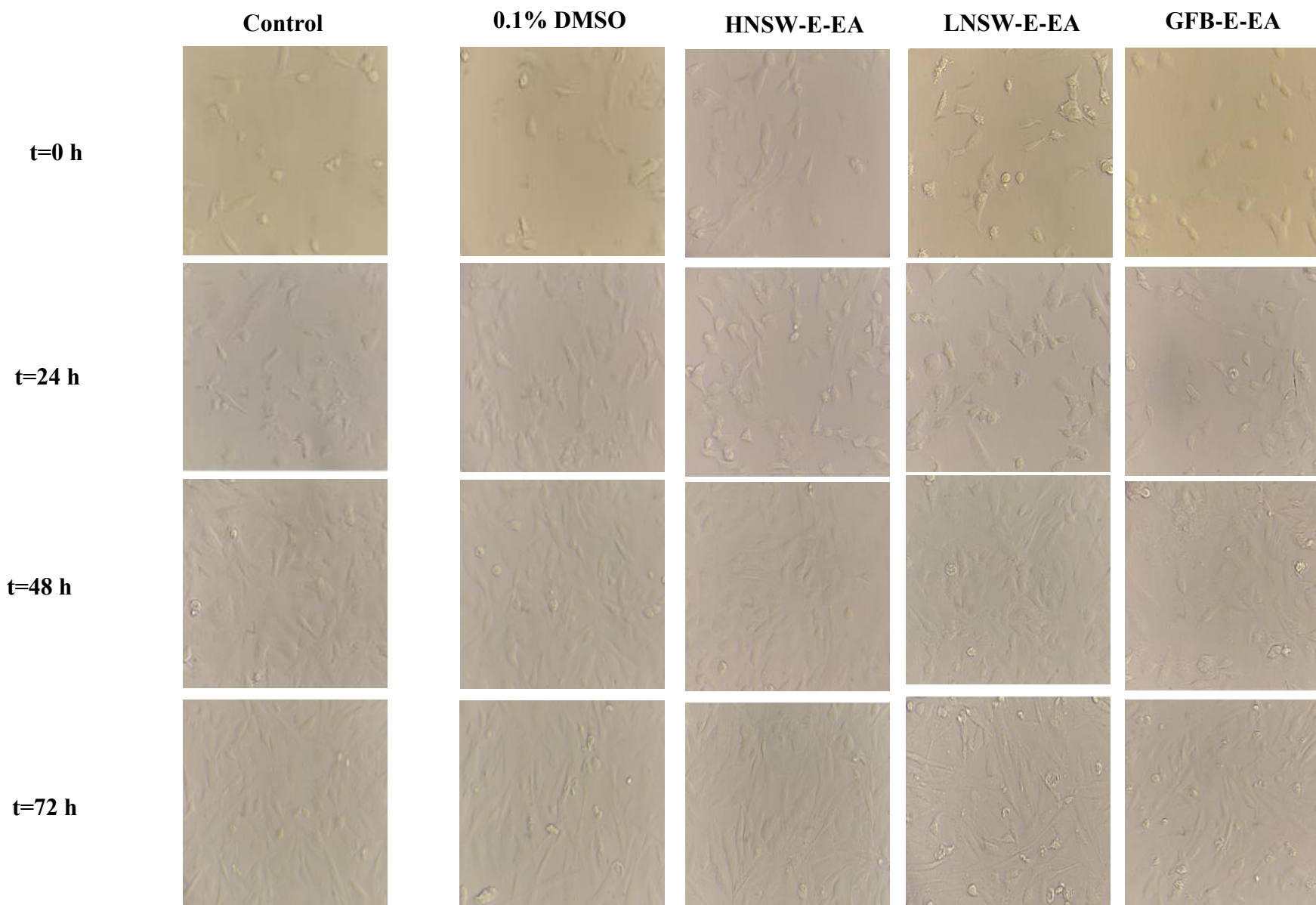


Figure S4