

Figure S1. Solubility of 0.5-100 mg/ml NTS in DMSO. NTS, non-toxic sulfur.

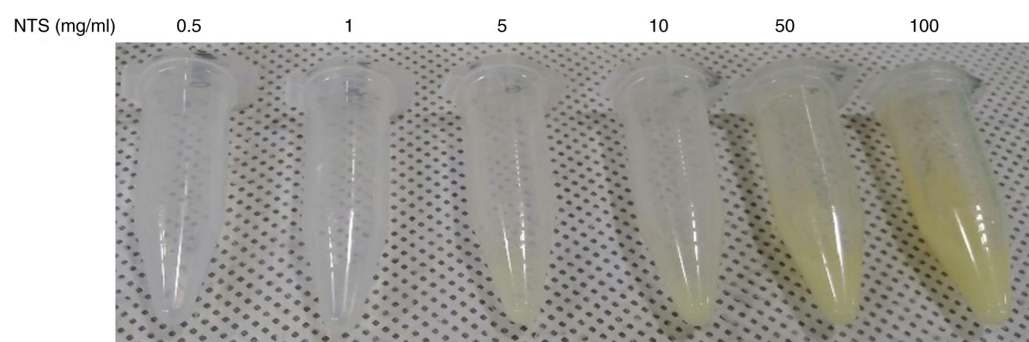


Figure S2. Growth hormone levels in C2C12 cells following treatment with DMSO and NTS for 24 h. Data are representative of three independent experiments. **P<0.01. NTS, non-toxic sulfur; Con, control.

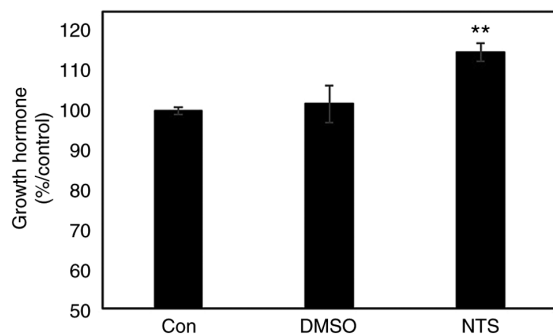


Figure S3. Relative pIGF-1R β /IGF-1R β , pJak2/Jak2 and pSTAT5/STAT5b protein levels were determined by densitometry analysis. Data are representative of three independent experiments. ***P<0.001 among all groups; #P<0.001 vs. control. IGF-1R β , insulin-like growth factor-1 receptor β ; p, phosphorylated; NTS, non-toxic sulfur; Con, control.

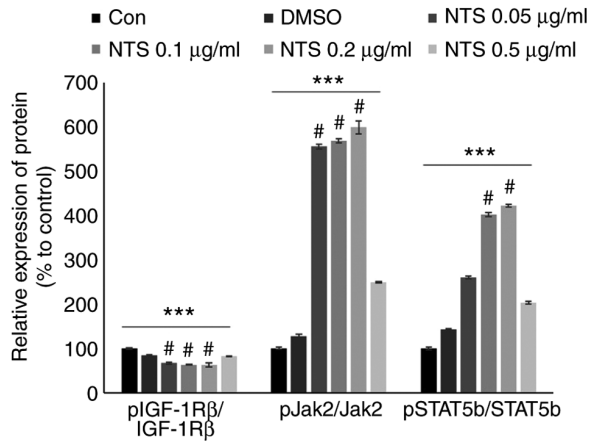


Figure S4. Relative pIGF-1R β /IGF-1R β , pJak2/Jak2 and pSTAT5/STAT5b protein levels were determined by densitometry analysis. Data are representative of three independent experiments. ***P<0.001 among all groups; #P<0.001 vs. control. IGF-1R β , insulin-like growth factor-1 receptor β ; p, phosphorylated; NTS, non-toxic sulfur; Con, control; GH, growth hormone.

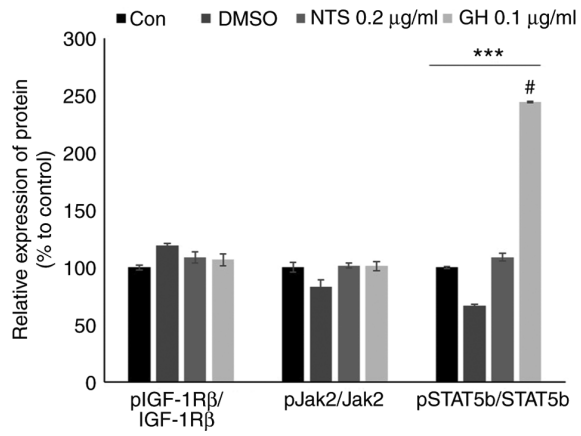


Table SI. Solubility of NTS in various solvents.

Solvent	Distilled water			Hot distilled water			DMSO			Ethanol		
	1	2	5	1	2	5	1	2	5	1	2	5
NTS (mg/ml)	1	2	5	1	2	5	1	2	5	1	2	5
Results	X	X	X	X	X	X	O	Δ	X	Δ	Δ	X

X, insoluble; Δ, slightly soluble; O, soluble.