

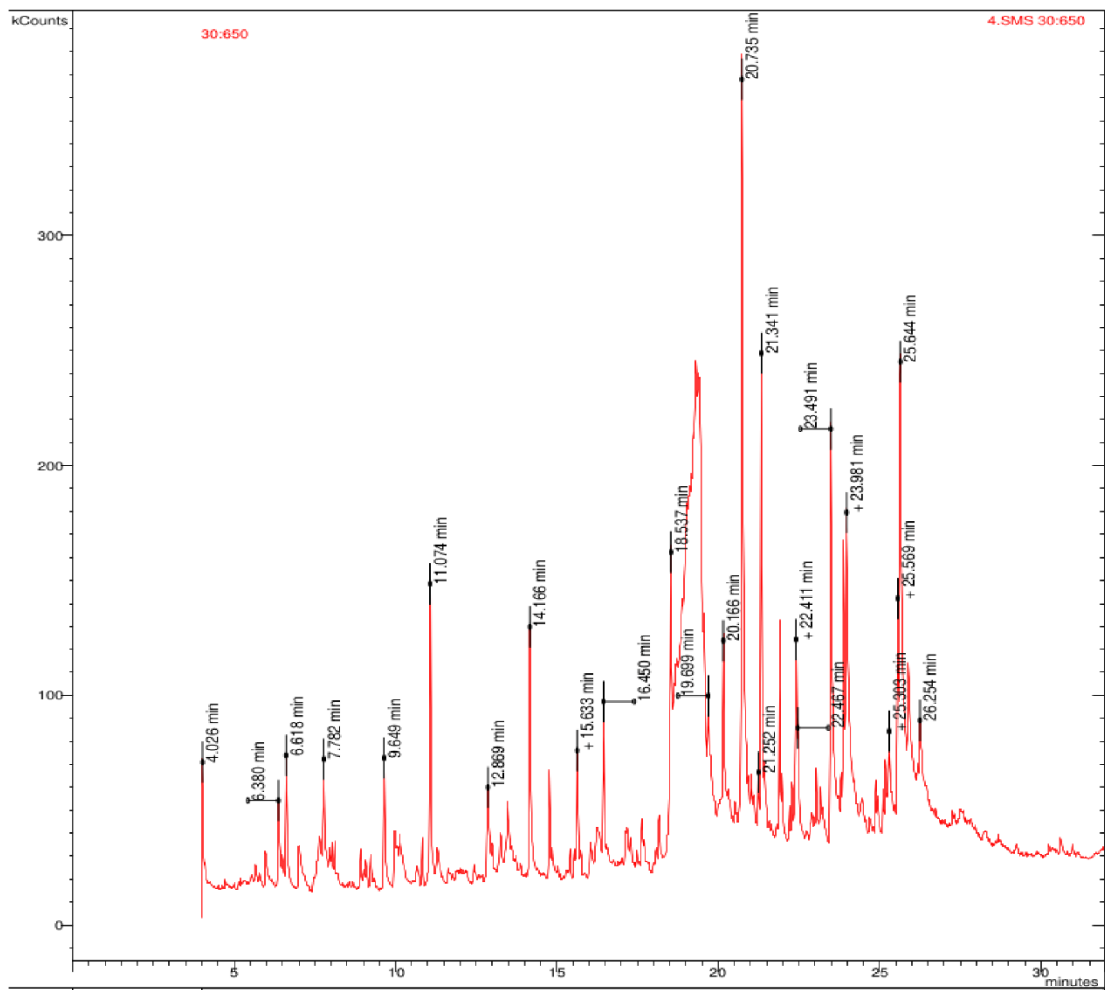
Biogenic Zinc Oxide Nanoparticles synthesized from *Tinospora Cordifolia* induce oxidative stress, mitochondrial damage and apoptosis in Colorectal Cancer

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Supplementary Table S1: List of phytochemical compounds detected in the Methanol extract of *Tinospora Cordifolia* using GC-MS.

Peak #	Compound Name	PubChem CID	Molecular formula
1	Diacetyl sulphide	76708	C ₄ H ₆ O ₂ S
2	Cyclobutane, methyl-	11725	C ₅ H ₁₀
3	Cyclobutane, 2-ethyl-1-methyl-3-propyl	550796	C ₁₀ H ₂₀
4	2,4-Dihydroxy-2,5-dimethyl-3(2H)-furan-3	538757	C ₆ H ₈ O ₄
5	l-Alanine, n-propargyloxycarbonyl-, hexy	7174	C ₁₀ H ₁₃ NO ₂
6	2,3-Dihydro-2,5-dihydroxy-6-methyl-4-H-pyran-4-one	119838	C ₆ H ₈ O ₄
7	1,1,2-Triacetoxyethane	76325	C ₈ H ₁₂ O ₆
8	4-Hydroxy-2-methylacetophenone	70133	C ₉ H ₁₀ O ₂
9	Phenol, 2,6-dimethoxy	7041	C ₈ H ₁₀ O ₃
10	Benzaldehyde, 3-hydroxy-4-methoxy	94857	C ₈ H ₇ NO ₅
11	Phenol, 2-methoxy-4-(1-propenyl)-	853433	C ₁₀ H ₁₂ O ₂
12	Z-8-Methyl-9-tetradecenoic acid	5364410	C ₁₅ H ₂₈ O ₂
13	8-Pentadecanone	13162	C ₁₅ H ₃₀ O
14	Phenol, 2,6-dimethoxy-4-(2-propenyl)-	226486	C ₁₁ H ₁₄ O ₃
15	4-((1E)-3-Hydroxy-1-propenyl)-2-methoxyphenol	1549095	C ₁₀ H ₁₂ O ₃
16	1,13-Tetradecadien-3-one	337818	C ₁₄ H ₂₄ O
17	1-Eicosanol	12404	C ₂₀ H ₄₂ O
18	Phytol, acetate	6428538	C ₂₂ H ₄₂ O ₂
19	8-Pentadecanone	13162	C ₁₅ H ₃₀ O
20	3,7,11,15-Tetramethyl-2-hexadecen-1-ol	5366244	C ₂₀ H ₄₀ O
21	n-Hexadecanoic acid	985	C ₁₆ H ₃₂ O ₂
22	1-Eicosanol	12404	C ₂₀ H ₄₂ O
23	2,2,6,7-Tetramethyl-10-oxatricyclo[4.3.1	536541	C ₁₃ H ₂₂ O ₂
24	9-Octadecenoic acid (Z)-, 2-hydroxy-1-(h	445639	C ₁₈ H ₃₄ O ₂
25	Phytol	5280435	C ₂₀ H ₄₀ O
26	9,12-Octadecadienoic acid (Z,Z)-	6439696	C ₃₆ H ₆₆ O ₄
27	Cyclopropaneoctanoic acid, 2-[[2-(2-eth	57346156	C ₁₁ H ₂₀ O ₂
28	Octadecanoic acid, 2-(2-hydroxyethoxy)et	162225	C ₂₂ H ₄₈ N ₂ O ₃
29	1-Hexacosene	29303	C ₂₆ H ₅₂



Supplementary Figure S1: GC-MS analysis of phytoconstituents detected in the methanol extract of stem of *Tinospora cordifolia*.