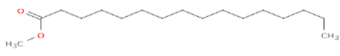
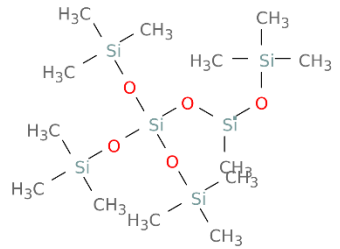
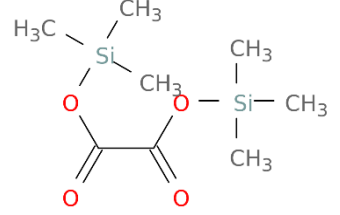
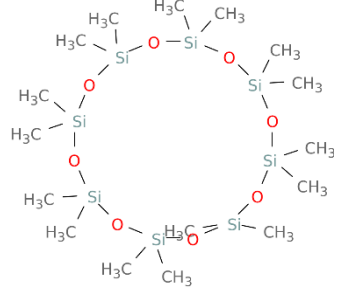
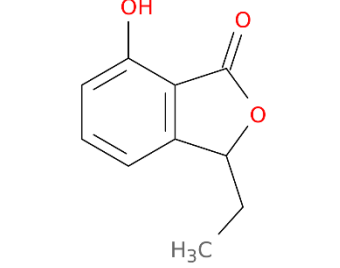
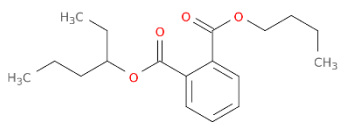
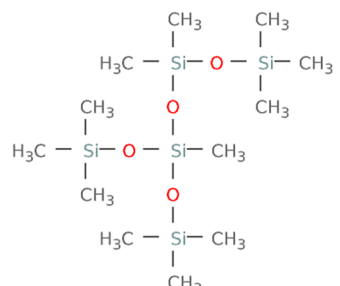
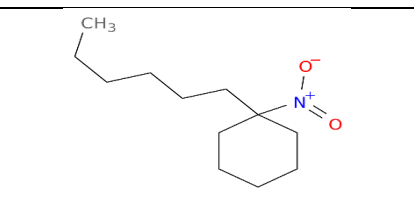
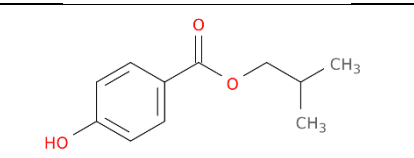


Table S2. Major phytocompounds identified in GC-MS profiling of methanolic extracts of shoots (MS) of *P. nepalensis*.

Sl. No	Compounds	Chemical formula	SMILES format	PubChem ID	2D Structures
2a	Hexadecanoic acid,methyl ester	C ₁₇ H ₃₄ O ₂	CCCCCCCCCCCCCCCC(=O)OC	8181	
2b	1,1,1,5,7,7,7-Heptamethyl-3,3-bis(trimethylsiloxy)tetrasiloxane	C ₁₃ H ₄₀ O ₅ Si ₆	C[Si](O[Si](C)(C)C)O[Si](O[Si](C)(C)C)O[Si](C)(C)C	6329081	
2c	Oxalic acid, 2TMS derivative	C ₈ H ₁₈ O ₄ Si ₂	C[Si](C)(C)OC(=O)C(=O)O[Si](C)(C)C	519543	
2d	Cyclooctasiloxane, hexadecamethyl-	C ₁₆ H ₄₈ O ₈ Si ₈	C[Si]1(O[Si](O[Si](O[Si](O[Si](O[Si](O[Si](O[Si](O[Si](O1)(C)C)(C)C)(C)C)(C)C)(C)C)(C)C)(C)C	11170	
2e	3-Ethyl-7-hydroxyphthalide	C ₁₀ H ₁₀ O ₃	CCC1C=C(C(=CC=C2)O)C(=O)O1	591119	
2f	Phthalic acid, butyl hex-3-yl ester	C ₁₈ H ₂₆ O ₄	CCCCOC(=O)C1=CC=CC=C1C(=O)OC(CC)CCC	91720282	
2g	1,1,1,3,5,5,7,7,7-Nonamethyl-3-(trimethylsiloxy)tetrasiloxane	C ₁₂ H ₃₆ O ₄ Si ₅	C[Si](C)(C)O[Si](C)(C)O[Si](C)(O[Si](C)(C)C)C	553706	

2h	1-Hexyl-1-nitrocyclohexane	C ₁₂ H ₂₃ NO ₂	CCCCCCC1(CCCCC1)[N+](=O)[O-]	544063	
2i	Isobutyl 4-hydroxybenzoate	C ₁₁ H ₁₄ O ₃	CC(C)COC(=O)C1=CC=C(C=C1)O	20240	
2j	Octanoic acid, 5-(acetyloxy)-, methyl ester	C ₁₁ H ₂₀ O ₄	CCCC(CCCC(=O)OC)OC(=O)C	539496	