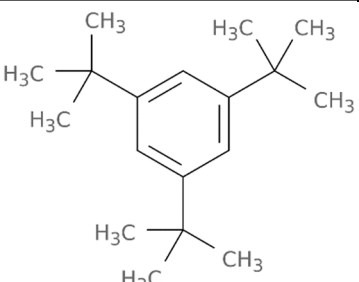
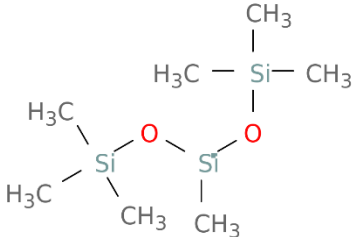
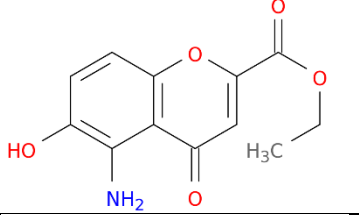
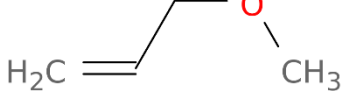
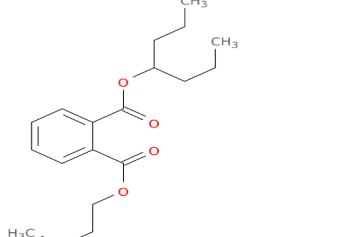
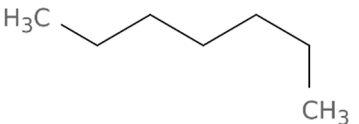
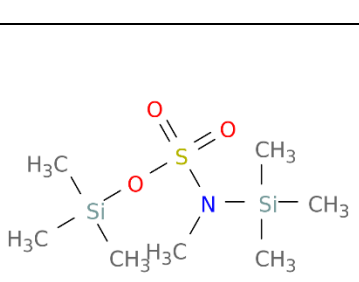
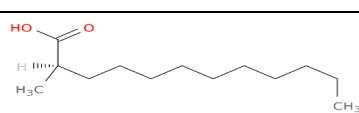
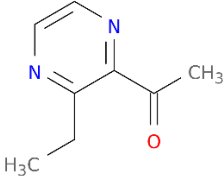


Table S4. Major phytocompounds identified in GC-MS profiling of n-hexane extracts of shoots (NS) of *P. nepalensis*

Sl. No	Compounds	Chemical formula	SMILES format	PubChem ID	2D Structures
4a	Benzene, 1,3,5-tri-tert-butyl-	C ₁₈ H ₃₀	<chem>CC(C)(C)C1=CC(=CC(=C1)C(C)(C)C)C(C)(C)C</chem>	15089	
4b	1,1,1,3,5,5,5-Heptamethyltrisiloxane 4H-1-Benzopyran-2-carboxylic acid	C ₇ H ₂₂ O ₂ Si ₃	<chem>C[Si](O[Si](C)(C)C)O[Si](C)(C)C</chem>	6327366	
4c	5-amino-6-hydroxy-4-oxo-, ethyl ester	C ₁₂ H ₁₁ NO ₅	<chem>CCOC(=O)C1=CC(=O)C2=C(O1)C=CC(=C2N)O</chem>	619354	
4d	1-Propene, 3-methoxy-	C ₄ H ₈ O	<chem>COCC=C</chem>	69392	
4e	Phthalic acid, butyl hept-4-yl ester	C ₁₉ H ₂₈ O ₄	<chem>CCCCOC(=O)C1=CC=CC(=C1C(=O)OC(CCC)CCC</chem>	91720764	
4f	Heptane,	C ₉ H ₂₀	<chem>CCCCCCC</chem>	8900	
4g	3,3-dimethyl-N-(Methyl sulfonyl)-N,O-bis (trimethyl silyl) hydroxylamine	C ₇ H ₂₁ NO ₃ SSi ₂	<chem>CN([Si](C)(C)C)S(=O)(=O)O[Si](C)(C)C</chem>	155620124	
4h	Dodecanoic acid, 2-methyl-	C ₁₃ H ₂₆ O ₂	<chem>CCCCCCCCC[C@@H](C)C(=O)O</chem>	5312339	

4i	2-Acetyl-3-ethylpyrazine	C ₈ H ₁₀ N ₂ O	<chem>CCC1=NC=CN=C1C(=O)C</chem>	61918	
4j	Eicosane	C ₂₀ H ₄₂	<chem>CCCCCCCCCCCCCCCCCCCC</chem> CC	8222	