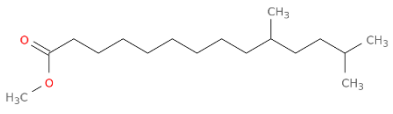
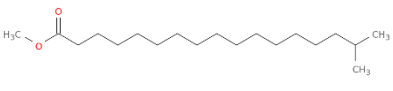
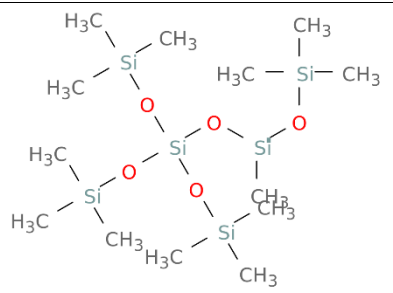
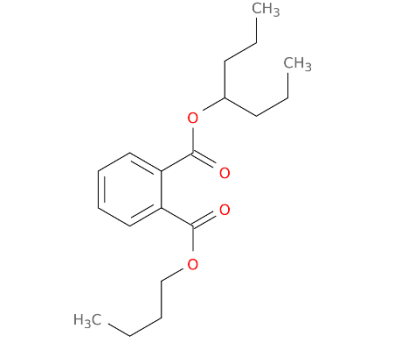
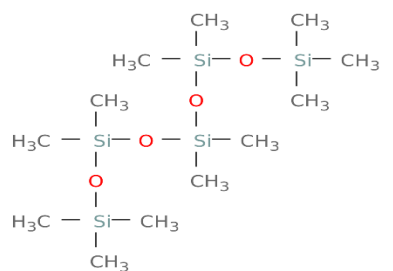
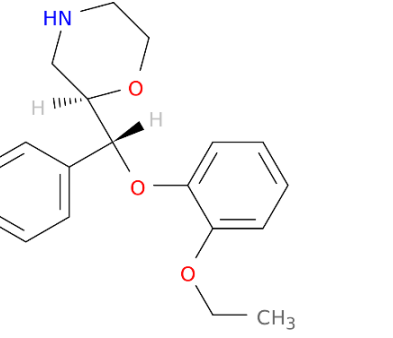


Table S1. Major phytocompounds identified in GC-MS profiling of methanolic extracts of roots (MR) of *P. nepalensis*

Sl. No	Compounds	Chemical formula	SMILES format	PubChem ID	2D Structures
1a	Tetradecanoic acid, 10,13-dimethyl-, methyl ester	C ₁₇ H ₃₄ O ₂	<chem>CC(C)CCC(C)CCCCCCCCC(=O)OC</chem>	554145	
1b	Heptadecanoic acid, 16-methyl-, methyl ester	C ₁₉ H ₃₈ O ₂	<chem>CC(C)CCCCCCCCCCCCCCCCC(=O)OC</chem>	110444	
1c	1,1,1,5,7,7,7-Heptamethyl-3,3-bis(trimethylsiloxy) tetrasiloxane	C ₁₃ H ₄₀ O ₅ Si ₆	<chem>C[Si](O[Si](C)(C)C)O[Si](O[Si](C)(C)C)O[Si](C)(C)C</chem>	6329081	
1d	Phthalic acid, butyl hept-4-yl	C ₁₉ H ₂₈ O ₄	<chem>CCCCOC(=O)C1=CC=CC=C1C(=O)OC(CCC)CCC</chem>	91720764	
1e	1,1,1,3,5,5,7,7,7-Nonamethyl-3-(trimethylsiloxy) tetrasiloxane	C ₁₂ H ₃₆ O ₄ Si ₅	<chem>C[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)C</chem>	8853	
1f	Norepinephrine, (R)-, 4TMS derivative	C ₂₀ H ₄₃ N O ₃ Si ₄	<chem>CCOC1=CC=CC=C1O[C@@H]([C@H]2CNCCO2)C3=CC=CC=C3</chem>	12751	
1g	2-Isopropyl-6-phenylnicotinonitrile	C ₁₅ H ₁₄ N ₂	<chem>CC(C)C1=C(C=CC(=N1)C2=CC=CC=C2)C#N</chem>	610213	

