

Table S1. List of primers and primer sequences

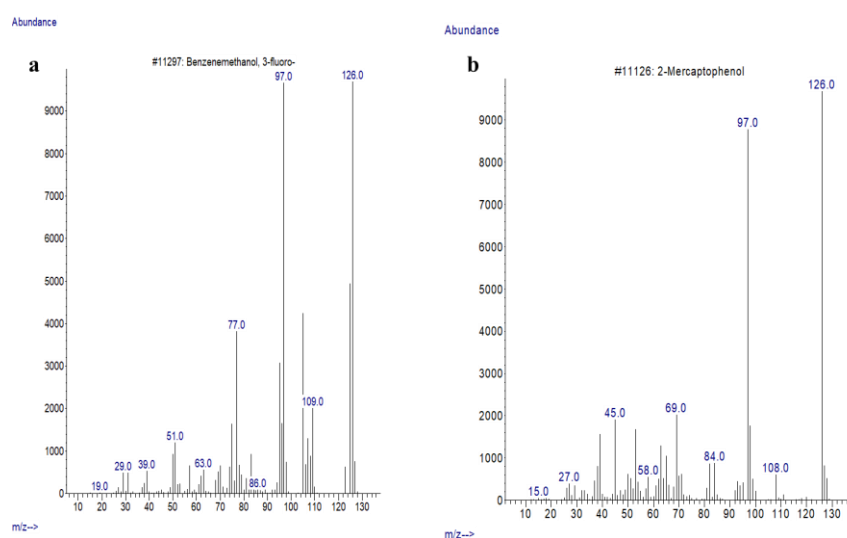
Primers used	Sequence	Reference
GAPDH F (<i>Mus musculus</i>)	ACTCCACTCACGGCAAATTC	(1)
GAPDH R (<i>Mus musculus</i>)	TCTCCATGGTGGTGAAGACA	(1)
Antioxidant Genes		
SOD1 F (<i>Mus musculus</i>)	GGTGAACCAGTTGTGTTGTCAGG	(2)
SOD1 R (<i>Mus musculus</i>)	ATGAGGTCCTGCACTGGTACAG	(2)
SOD2 F (<i>Mus musculus</i>)	TAACGCGCAGATCATGCAGCTG	(2)
SOD2 R (<i>Mus musculus</i>)	AGGCTGAAGAGCGACCTGAGTT	(2)
CAT F (<i>Mus musculus</i>)	CGGCACATGAATGGCTATGGATC	(3)
CAT R (<i>Mus musculus</i>)	AAGCCTTCCTGCCTCTCCAACA	(3)
GPx3 F (<i>Mus musculus</i>)	ATCCTGCCTTCTGTCCCTGCTC	(4)
GPx3 R (<i>Mus musculus</i>)	TGGTGAGGGCTCCATACTCGTA	(4)
Steroidogenesis and Androgen signalling		
Cyp17a1 F (<i>Mus musculus</i>)	AGCTCTGTGCTGAACTGGATCC	(5)
Cyp17a1 R (<i>Mus musculus</i>)	AGACGGTGTTTCGACTGAAGCCT	(5)
StAR F (<i>Mus musculus</i>)	GTGCTTCATCCACTGGCTGGAA	(6)
StAR R (<i>Mus musculus</i>)	GTCTGCGATAGGACCTGGTTGA	(6)
Cyp11a1 F (<i>Mus musculus</i>)	TGCTCAACCTGCCTCCAGACTT	(7)
Cyp11a1 R (<i>Mus musculus</i>)	ACTGGCTGAAGTCTCGCTTCTG	(7)
3bHSD F (<i>Mus musculus</i>)	AGAACTGCAGGAGGTCAGAGCT	(8)
3bHSD R (<i>Mus musculus</i>)	GGCATCCAGAATGTCTCCTTCC	(8)
Cyp19 F (<i>Mus musculus</i>)	CGAAGCAGCAATCCTGAAGGAG	(9)
Cyp19 R (<i>Mus musculus</i>)	CCAAGTCCACAACAGGCTGGTA	(9)
AR F (<i>Mus musculus</i>)	CCTTGGATGGAGAACTACTCCG	(10)
AR R (<i>Mus musculus</i>)	TCCGTAGTGACAGCCAGAAGCT	(10)

Table S2. Compounds identified from ethanolic *D. hatagireae* root extract using GC-MS

S.No.	Compound	Molecular Formula	Molecular Weight	Peak Area (%)	Retention Time	Nature of Compound
1	Benzenemethanol, 3-fluoro	C ₇ H ₇ FO	126.1283	20.75	9.175	Organofluorine
2	2-mercaptophenol	C ₆ H ₆ OS	126.173	79.25	13.037	Alkylthiols

Supplementary Fig. 1. GC-MS analysis of crude ethanolic extract of DH a)

Benzenemethanol, 3fluoro (C1) and b) 2-Mercaptophenol (C2).



References:

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