**Table S1 -** Biological activities of compounds detected from *Urena lobata.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.No. |  Name of Compounds | From other plants | Authors | Biological Activities |
| 1. 1
 | 1-Hexanol, 2-ethyl- | *Vitis rotundifolia* Michx | (Deng et al., 2021) | - |
| 1. 2
 | 1,2,3-Propanetriol, 1-acetate | *Punica granatum* | (Growther et al., 2012) | - |
|  | 1-Nonene, 4,6,8-trimethyl- | *Moringa concanensis* | (Balamurugan et al., 2015) | Allelochemical |
|  | 3,5-Dithiahexanol 5,5-dioxide | *Salvadora persicahadi*  | (Hadi Hameed et al., 2018) | - |
|  | Nonanoic acid | Palm oil | (Aneja et al., 2005; Kamatou and Viljoen, 2017) | Anti-microbial |
|  | 1-Undecanol | *Senecio belgaumensis* | (Joshi, 2011) | Insecticidal |
|  | 1-dodecanol | *Mikania species* | (Cueto et al., 2005; Da Silva et al., 1984) | Insecticidal activity |
|  | Hexadecane; | Green macroalgae | (Shah et al., 2022) | - |
|  | hexadecanoic acid butyl ester | Green macroalgae | (Shah et al., 2022) | Anti-sickling activity |
|  | Octane 2-bromo- | Green macroalgae | (Shah et al., 2022) | - |
|  | Phenol 2,4-bis(1,1-dimethyl ethyl)- | Green macroalgae and Avocado roots | (Rangel-Sánchez et al., 2014) | Anti-microbial |
|  | 7-hexadecenoic acid methyl ester (z)- | Green macroalgae | (Gayathiri et al., 2022) | Anti-proliferative activities |
|  | Hexadecanoic acid methyl ester | Green macroalgae | (Heidary Jamebozorgi et al., 2019) | Anti-proliferative activities, anti-bacterial |
|  | Hexadecane | *Dillenia suffruticosa* | (Shah et al., 2020; Siporin and Cooney, 1976) | Inhibit glucose metabolism |
|  | Methyl stearate | *Dillenia suffruticosa* | (Nirmal et al., 2022; Shah et al., 2020) | Anti-mirbobial |
|  | Hexadecanoic acid ethyl ester | *Sargassum wightii* | (Balachandran et al., 2016) | Anit-inflammatory |
|  | (E)-9-Octadecenoic acid ethyl ester | *Nelumbo nucifera* Gaertn | (Xie et al., 2022) | Anit-inflammatory |
|  | 9,12-octadecadienoic acid (Z, Z)- methyl ester | *Eclipta alba* | (Jayaraman et al., 2022) | Anti-cancerous |
|  | 9-octadecenoic acid (Z)- methyl ester | *Senna alata L.* | (Muhammad et al., 2021) | Antibacterial |
|  | 1,4-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester | *Nephrolepis cordifolia* | (Stroheker et al., 2005) | Anti-androgenic activity |
|  | Cyclopropaneoctanoic acid, 2-[[2-[(2-ethylcyclopropyl)methyl]cyclopropyl]methyl]-, methyl ester | *Gaillardia pulchella* Foug | (Yao et al., 2013) | - |
|  | Hexanoic acid, 2-ethyl-hexadecyl ester | Grapes | (Chang et al., 2014) | - |
|  | Heptanoic acid, 4-octyl ester | *Pyrus communis* L. | (Chen et al., 2018) | - |
|  | Methyl 12,13-tetradecadienoate | *Oroxylum indicum* (L.) Benth. Ex Kurz | (Debi and Parkash, 2020) | - |
|  | 10-Heneicosene (c,t) | *Tinospora cordifolia* | (Ebin, 2021) | - |
|  | Hexanedioic acid, bis(2-ethylhexyl) ester | *Eucalyptus granlla* | (Ge et al., 2015) | - |
|  | Propanoic acid, 3-mercapto-, dodecyl ester | *Rosmarinus officinalis* | (Manilal et al., 2021) | - |
|  | Tricosyl pentafluoropropionate | *Brassica juncea* L. | (Sharma et al., 2015) | - |
|  | Benzenepropanoic acid, 3,5-bis(1,1-dimethyl ethyl)-4-hydroxy-, methyl ester | *Brassica juncea* L. | (Gayathiri et al., 2022; Sangeet et al., 2022; Sharma et al., 2015; Sonkar, 2019) | Anti-fungal, anti-neurodegenerative disorder, anti-cancer, anti-diabetic |
|  | Diisooctyl adipate | *Pleiospermium alatum* | (Parthipan et al., 2015) | - |
|  | 3-chloropropionic acid, heptadecyl ester | *Clerodendrum colebrookianum* | (Payum, 2020) | - |
|  | cis-10-Nonadecenoic acid | *Dodonaea angustifolia* | (Revathi and Dhanaraj, 2019) | - |
|  | 9,12-Octadecadienoic acid, ethyl ester | *Stylissa carteri* | (Bashari et al., 2019) | - |
|  | Dibutyl phthalate | *Stylissa carteri* | (Bashari et al., 2019) | Antiandrogenic effects |
|  | Decanedioic acid, dibutyl ester | *Eucalyptus citriodora* | (Sahi, 2016) | - |
|  | trans-13-Octadecenoic acid, methyl ester | *Terminalia catappa* | (Chikezie and Ekeanyanwu, 2020) | - |
|  | Diisooctyl phthalate | *Anacardium occidentale* | (Chikezie and Ekeanyanwu, 2020) | - |
|  | Trichloroacetic acid, hexadecyl ester Selenicereus undatus | *Selenicereus undatus* | (Luo et al., 2014) | - |
|  | Isopropyl linoleate | *Clerodendrum phlomidis* | (Jainab, 2017) | Antioxidant activity |
|  | Dodecane, 2,6,11-trimethyl-, | *Azanza garckeana* | (Luo et al., 2014) | - |
|  | Dodecyl acrylate | *Citrus macroptera* | (Rana and Blazquez, 2012) | - |
|  | Heptanoic acid, anhydride | *Phyllanthus amarus* | (Mamza et al., 2012) | - |
|  | 1,2-Benzenedicarboxylic acid, bis(2-methylpropyl) ester | *Syzygium aromaticum* | (Ingole, 2016; Muhammad et al., 2021; Rashmi et al., 2018) | Anti-bacterial |
|  | Isobutyl acetate | *Artabotrys hexapetalus.* | (Liu et al., 2020; Sowndhariya et al., 2022) | - |

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