**Fenugreek Phytochemical Library:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Serial no.** | **PubChem ID** | **Phytochemical** | **Part** | **Structure** |
| 1. | 12306047 | alpha-Muurolene [[1]](#endnote-1) | aerial part | A structure of a molecule  Description automatically generated |
| 2. | 6432005 | gamma-Eudesmol 1 | aerial part |  |
| 3. | 441005 | (+)-delta-Cadinene 1 | aerial part |  |
| 4. | 10398656 | (-)-alpha-Cadinol 1 | aerial part |  |
| 5. | 442343 | Levomenol 1 | aerial part |  |
| 6. | 519857 | Cubenol 1 | aerial part |  |
| 7. | 91753440 | alpha-Muurolol 1 | aerial part | A diagram of a molecule  Description automatically generated |
| 8. | 6429300 | Liguloxide 1 | aerial part |  |
| 9. | 1054 | Pyridoxine [[2]](#endnote-2) | leaf |  |
| 10. | 444170 | Fenugreekine 2 | leaf | A structure of a molecule  Description automatically generated |
| 11. | 493570 | Riboflavin 2 | leaf | A diagram of a molecule  Description automatically generated |
| 12. | 10364 | Carvacrol 3 | leaf | A black and white drawing of a molecule  Description automatically generated |
| 13. | 443753 | Calcium pantothenate 2 | leaf | A structure of a chemical formula  Description automatically generated |
| 14. | 10248 | Elemicin 3 | leaf | A black and red drawing of a molecule  Description automatically generated |
| 15. | 114776 | Isoorientin 2 | leaf | A structure of a chemical formula  Description automatically generated |
| 16. | 114829 | Liquiritigenin 2 | leaf | A structure of a chemical formula  Description automatically generated |
| 17. | 12267346 | Trigoforin 2 | leaf | A black and white drawing of a molecule  Description automatically generated |
| 18. | 2773624 | 4-Hydroxyisoleucine 2 | leaf | A structure of a chemical formula  Description automatically generated |
| 19. | 17697 | Pentadecanal 3 | leaf | A black line with a red circle and a black line  Description automatically generated with medium confidence |
| 20. | 4276 | Myristicin 3 | leaf | A black and red drawing of a molecule  Description automatically generated |
| 21. | 441900 | Yamogenin 2 | leaf |  |
| 22. | 5280863 | Kaempferol 2 | leaf |  |
| 23. | 5283361 | 2-Dodecenal 3 | leaf |  |
| 24. | 5280343 | Quercetin 2 | leaf |  |
| 25. | 5280445 | Luteolin 2 | leaf |  |
| 26. | 101422334 | Vitexin 2''-O-p-coumarate 2 | leaf | A structure of a chemical formula  Description automatically generated |
| 27. | 171548 | Biotin 2 | leaf |  |
| 28. | 7463 | p-Cymene 3 | leaf | A black and white image of a molecule  Description automatically generated |
| 29. | 5997 | Cholesterol 2 | leaf | A diagram of a molecule  Description automatically generated |
| 30. | 135398658 | Folic 2 acid | leaf | A structure of a chemical formula  Description automatically generated |
| 31. | 54670067 | Ascorbic acid 2 | leaf | A structure of a molecule  Description automatically generated |
| 32. | 638278 | Isoliquiritigenin 2 | leaf | A structure of a chemical formula  Description automatically generated |
| 33. | 6989 | Thymol 3 | leaf | A black and white drawing of a molecule  Description automatically generated |
| 34. | 8174 | 1-Decanol 3 | leaf | A black line with red letters  Description automatically generated with medium confidence |
| 35. | 8175 | Decanal 3 | leaf | A structure of a molecule  Description automatically generated |
| 36. | 985 | Palmitic acid 2 | leaf | A structure of a chemical compound  Description automatically generated |
| 37. | 938 | Nicotinic acid 2 | leaf | A drawing of a chemical structure  Description automatically generated |
| 38. | 892 | Inositol 2 | leaf | A hexagonal structure with red dots and black lines  Description automatically generated |
| 39. | 79036 | Isopiperitenone [[3]](#endnote-3) | leaf | A black and white drawing of a molecule  Description automatically generated |
| 40. | 162350 | Isovitexin 2 | leaf | A structure of a chemical formula  Description automatically generated |
| 41. | 99474 | Diosgenin [[4]](#endnote-4) | leaf | A structure of a molecule  Description automatically generated |
| 42. | 6857447 | beta-Tocopherol [[5]](#endnote-5) | leaf |  |
| 43. | 3764 | Isoformononetin 6 | Leaf, seed |  |
| 44. | 92759 | Genistein 6 | Leaf, seed | A structure of a chemical formula  Description automatically generated |
| 45. | 5280443 | Apigenin 6 | Leaf, seed | A structure of a chemical formula  Description automatically generated |
| 46. | 289 | Catechol 6 | Leaf, seed | A structure of a chemical formula  Description automatically generated |
| 47. | 439246 | Naringenin 6 | Leaf, seed | A structure of a chemical formula  Description automatically generated |
| 48. | 442428 | Naringin 6 | Leaf, seed |  |
| 49. | 5280459 | Quercitrin 6 | Leaf, seed | A diagram of a molecule  Description automatically generated |
| 50. | 1057 | Pyrogallol 6 | Leaf, seed | A structure of a chemical formula  Description automatically generated |
| 51. | 123631 | Gefitinib 7 (reference compound) | Drug | A structure of a chemical formula  Description automatically generated |

1. **References:**

   Volatile Constituents from the Oil of Trigonella foenum-graecum L. DOI: <https://doi.org/10.1080/10412905.2004.9698741> [↑](#endnote-ref-1)
2. Indian Medicinal Plants, Basu B.D. Kirtikar K.R. ISBN: 9788171360536 [↑](#endnote-ref-2)
3. Funneliformis mosseae fungi changed essential oil composition in Trigonella foenum graecum L., Coriandrum sativum L. and Nigella sativa L. <https://www.tandfonline.com/doi/abs/10.1080/10412905.2016.1216469> [↑](#endnote-ref-3)
4. The Trestise on Indian Medicinal Plants Vol 2 (Asima Chatterjee). ISBN: 9788172363178 [↑](#endnote-ref-4)
5. ISBN: 9788172363093

   6. Salam, S.G.A., Rashed, M.M., Ibrahim, N.A. et al. Phytochemical screening and in-vitro biological properties of unprocessed and household processed fenugreek (Trigonella foenum-graecum Linn.) seeds and leaves. Sci Rep 13, 7032 (2023). <https://doi.org/10.1038/s41598-023-31888-y> [↑](#endnote-ref-5)