Available Jan 2022

MetaSci

Providing high quality metabolite library

101 V1.1.101 molecules included

Terpenes Standards Mix

For GC/HPLC and Mass Spectrometry

FULLY QUANTITATIVE

Terpenes and terpenoids are the main ingredient of the commercial fragrance and artificial flavors in food products. They are naturally synthesized as secondary metabolites by plants and occur plentiful in nature. Terpenes can be detected in human biofluids such as urine, serum and feces after food consumption. Terpene analysis is an essential part of the food and cannabis analysis and accurate measurement of these compounds can help enhance food quality. The MetaSci Terpene Standard Mixture is the most comprehensive terpene mixture for analysis in the world. The mixture is composed of more than 100 terpene and terpenoids that are commonly found in plants and food. The mixture is especially designed to work with any GC/LC system equipped with a mass spectrometer. The special design of the mixture makes is possible to utilize a single quadropole MS as well as a QQQ or a QTOF for identification and building an in-house library with instrument specific retention time and mass spectra data. All mixtures contain a 1.0 mM solution of the terpenes in methanol and an internal standard is present to adjust the retention time and to help with the quantification.

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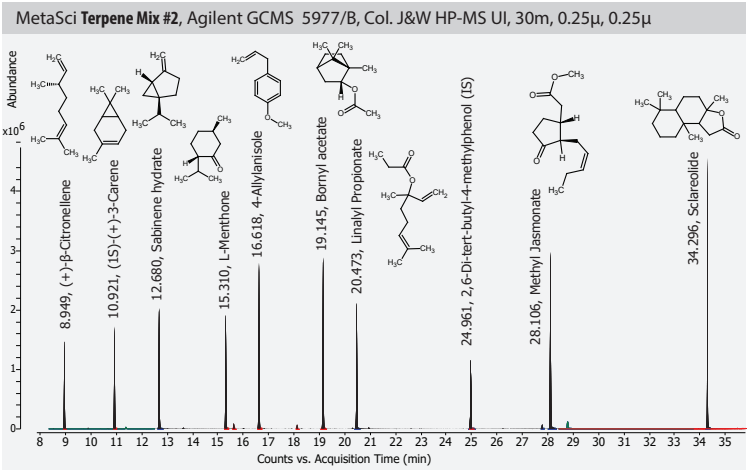
Providing high quality metabolite library

101 terpenes
high purity, single peak, completely resolved
1mM in MeOH.

12 High recovery microampules
with 8-9 terpenes in each. Five microampules with 200 uL is provided for each mix which allows you to keep the unused amount in the sealed glass container.

One internal standard
to adjust your retention time with IS lock

Zero isobaric interference
allows identification with single quad mass spectrometer without a need for digital libraries for identification



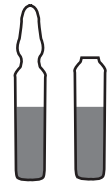
Comes with

- Spectral analysis
- Analysis method
- Certificate of analysis
- Color coded vials

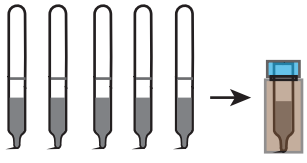
Works with

- HPLC/UHPLC
- GC
- Single Quad
- QQQ
- QTOF

Provided in
patented *SnapGo*™ high recovery microampules



X A 1 mL ampule will lose quality/concentration after breaking open



✓ Five Microampules allow injections from a fresh solution after one is used

List of the Terpenes (V1.1.101)

Hemiterpen(oid)s
Isoamyl alcohol
Senecioic acid
2-Methyl-3-buten-2-ol
Isoprenol
Angelic acid
Methyl-3,3-dimethyl acrylate
Prenol
Tiglic acid
Isovaleric acid

Monoterpene(oid)s
(-)-β-Pinene
(-)-Fenchone
(-)-Isopulegol
(S)-(−)-β-Citronellol
Linalyl acetate
Citronellyl acetate
(R)-(+)-Limonene
Tetrahydrolinalool
(+)-Camphor
Nerol
Camphorquinone
(1R,2R,5R)-(+)-2-Hydroxy-3-pinanone
(+)-β-Citronellene
(1S)-(+)-3-Carene
Sabinene Hydrate
L-Menthone
4-Allylanisole
Bornyl acetate
Linalyl propionate
(S)-(−)-Limonene
(+)-Fenchol
(-)-Myrtenol
Piperitone
Terpin Monohydrate
Linalyl Butyrate
(S)-(+)-Ketopinic Acid
(+)-α-Pinene
p-Cymene
(S)-(-)-Citronellal
(+)-β-Citronellol
β-Homocyclocitral
α-Damascone
Hinokitiol
Geranyl linalool (mixture of isomers)
(±)-Camphene
Eucalyptol
(±)-Menthol
(R)-(+)-Pulegone
L-Menthyl acetate
(±)-Isoborneol
Terpinolene
(+)-(S)-Carvone
(1S,2S,3R,5S)-(+)-2,3-Pinanediol
γ-Terpinene
(+)-Borneol
Tetrahydrogeraniol
L-(-)-Carvone
Isobornyl acetate
Geranyl Tiglate
α-Terpinene
Linalool
(1R)-(−)-Myrtenal
4-Isopropylbenzaldehyde
(S)-(-)-Perillyl alcohol
Eugenol
(-)-Camphanic acid
cis-β-Ocimene
trans-β-Ocimene
Terpinen-4-ol
Verbenol
Safranal
1R,2R,3S,5R)-(-)-Pinanediol
trans-Nerolidol
α-Terpineol
Thymol
Neryl acetate
1,4-Cineole
Dihydrolinalool
(-)-Verbenone
Thymoquinon
Carvacrol
Geranyl acetate
Methyl Jasmonate (mixture of isomers)

Sesquiterpene(oid)s
Guaiazulene
Parthenolide
Santonin
Sclareolide
Muscone
trans-β-Farnesene
(+)-Nootkatone
β-Caryophyllene
β-Ionone
(−)-Caryophyllene oxide
α-Humulene
(+)-Cedrol
(−)-α-Bisabolol
(+)-δ-Cadinene
trans,trans-Farnesol

Diterpene(oid)s
Sclareol
Phytol
Isophytol

Triterpenes
Squalene

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