Lobaric acid

Synonyms : Usnetic acid

Specifications

- CAS # : 522-53-2
- Molecular Formula : C_{25}H_{28}O_{8}
- Molecular Weight : 456.5
- Source : Parmelia sp.
- Appearance : White to off-white solid
- Purity : >95% by HPLC
- Long Term Storage : -20°C
- Solubility : Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Lobaric acid is a hydrophobic orcinol depsidone found in a broad range of lichen species, notably within the genera, Stereocaulon and Parmelia, first reported by Asahina and Nonamura in 1935. Like many other lichen acids, lobaric acid displays a broad pharmacology. Most recently, lobaric acid was shown to inhibit cysteinyl-leukotriene formation leading to muscle contraction in Taenia coli and type 12(S)-lipoxygenase, and to interfere with protein-protein interactions. Lobaric acid is an important standard in the chemotaxonomy of lichens.

References