Diffractaic acid

Synonyms : Dirhizonic acid; NSC 5901; NSC 685595

Specifications

- CAS # : 436-32-8
- Molecular Formula : C_{19}H_{20}O_{7}
- Molecular Weight : 360.4
- Source : Cladia sp.
- Appearance : Light lemon solid
- Purity : >95% by HPLC
- Long Term Storage : -20°C
- Solubility : Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Diffractaic acid is a β-orcinol depside isolated from a broad range of lichen species. Like other lichen acids, diffractaic acid has been detected as an active in a diverse range of in vitro bioassays and displays complex pharmacology as an analgesic, antipyretic, antimicrobial, plant growth inhibitor, insecticide and antitumor agent. Diffractaic acid is an important standard in the chemotaxonomy of lichens and its occurrence, use and activity are covered in over 100 entries in Scifinder up to 2016.

References