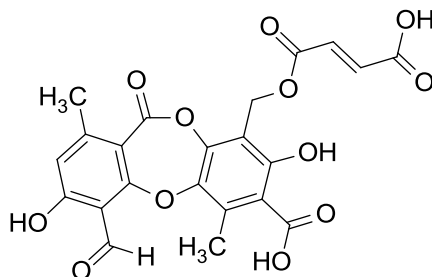


Fumarprotocetraric acid

Code No.: **BIA-F1672**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms :

Specifications

CAS #	: 489-50-9
Molecular Formula	: C ₂₂ H ₁₆ O ₁₂
Molecular Weight	: 472.4
Source	: <i>Cladonia</i> 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

Fumarprotocetraric acid is a β -orcinol depsidone found in a broad range of lichen species, notably within the genera, *Usnea*, *Parmelia* and *Cladonia*. Fumarprotocetraric acid is an important standard in the chemotaxonomy of lichens. Isolated reports of antibacterial activity occur in the literature, however unlike other lichen acids, the pharmacology and use in other applications has received little attention.

References

1. Untersuchungen über flechtenstoffe, XXXVI. Mitteil: über fumar-protocetrarsäure. Asahina Y. and Tanase Y., Ber. Dtsch. Chem. Ges. 1934, 67, 411.
2. The antimicrobial activity of extracts of the lichen *Cladonia foliacea* and its (-)-usnic Acid, atranorin, and fumarprotocetraric acid constituents. Yilmaz M. et al., Z. Naturforsch. 2004, 59c, 249.