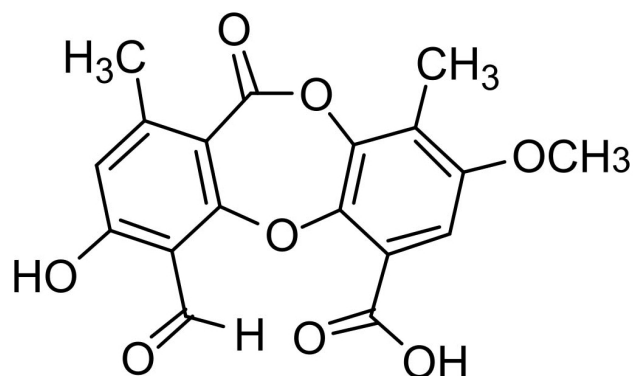


Psoromic acid

Code No.: BIA-P1675

Pack sizes.: 0.5mg, 2.5mg



Synonyms:

Parellic acid; Sulcatic acid; Sqamaric acid

Specifications

CAS #	: 8/11/7299
Molecular Formula	: C18H14O8
Molecular Weight	: 358.3
Source	: -
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

Psoromic acid is a β -ornicinal depsidone found in a broad range of lichen species, notably within the genera, *Usnea*, *Psoroma* and *Alectoria*. The diverse distribution of psoromic acid makes it an important standard for lichen chemotaxonomy. Although first isolated in the 1880s, the structure was not resolved until the 1930s by Asahina and Shibata. Recently, psoromic acid has been reported as having broad activity as an inhibitor of HIV integrase, RabGGTase and Rab prenylation, and as an antitumor and antimalarial agent.

References

1. Especial compounds of lichens. Shibata S. in *Der stoffwechsel sekundärer pflanzenstoffe (The Metabolism of Secondary Plant Products)* in *Handbuch der Pflanzenphysiologie (Encyclopedia of Plant Physiology)* 1958, 10, 560.
2. Psoromic acid is a selective and covalent Rab-prenylation inhibitor targeting autoinhibited RabGGTase. Deraeve C. et al., *J. Am Chem. Soc.* 2012, 134, 7384.
3. Potential of lichen secondary metabolites against *Plasmodium* liver stage parasites with FAS-II as the potential target. Lauinger I.L. et al., *J. Nat. Prod.* 2013, 76, 1064.