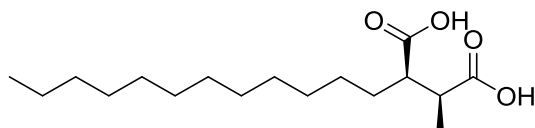


Roccellic acid

Code No.: **BIA-R1904**

Pack sizes: **1 mg, 5 mg**



Synonyms : (+)-Roccellic acid, NSC 249985

Specifications

CAS #	: 29838-46-8
Molecular Formula	: C₁₇H₃₂O₄
Molecular Weight	: 300.4
Source	: <i>Lecanora</i> sp.
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Roccellic acid is a methyl dodecylsuccinic acid isolated from *Roccella* spp. over 150 years ago, with the structure fully elucidated by Akermark in 1962. Roccellic acid is active against the oral bacteria, *Streptococcus gordonii* and *Porphyromonas gingivalis*.

References

1. Studies on the chemistry of lichens 16. The absolute configuration of roccellic acid. Akermark B., Act. Chem Scand. 1962, 16, 599.
2. The formation of roccellic acid, eugenitol, eugenetin, and rupicolon by the mycobiont *Lecanora rupicola*. Fox C.H. & Huneck S., Phytochem. 1969, 8, 1301.
3. Antibacterial activities of natural lichen compounds against *Streptococcus gordonii* and *Porphyromonas gingivalis*. Sweiden A. et al., Fitoterapia 2017, 121, 164.