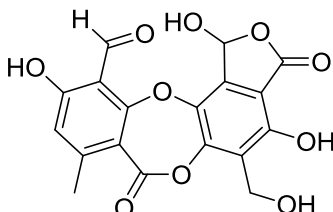


## Salazinic acid

Code No.: **BIA-S1741**

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



Synonyms : Salacinic acid, NSC87059, Parmatic acid, Saxatilic acid, Salalinic acid

## Specifications

CAS #	: <b>521-39-1</b>
Molecular Formula	: <b>C<sub>18</sub>H<sub>12</sub>O<sub>10</sub></b>
Molecular Weight	: <b>388.3</b>
Source	: <b><i>Usnea</i> sp.</b>
Appearance	: <b>White solid</b>
Purity	: <b>&gt;95% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in ethanol, methanol, DMF or DMSO.</b>

## Application Notes

Salazinic acid is a depsidone lichen metabolite first reported over a 100 years ago and widely distributed across many lichen genera. Salazinic acid is moderately active against Gram-positive bacteria and some Gram-negative bacteria (*P. aeruginosa* and *S. typhimurium*), but activity appears to show selectivity with no activity against other bacteria including *L. monocytogenes*, *P. vulgaris*, *Y. enterocolitica* and *S. fecalis*. Salazinic acid has antioxidant properties and is active against human melanoma and colon cancer cell lines.

## References

1. Salazinic acid and the constituents of the lichen *Lobaria pulmonario*. Nolan T.J. & Keane J., *Nature* 1933, 132, 281.
2. Antimicrobial activity of extracts of the lichen *Parmelia sulcata* and its salazinic acid constituent. Candan M. et al. *Z. Naturforsch. C.* 2007, 62, 619.
3. Chemical composition of three *Parmelia* lichens and antioxidant, antimicrobial and cytotoxic activities of some their major metabolites. Manojlović N. et al., *Phytomed.* 2012, 19, 1166.