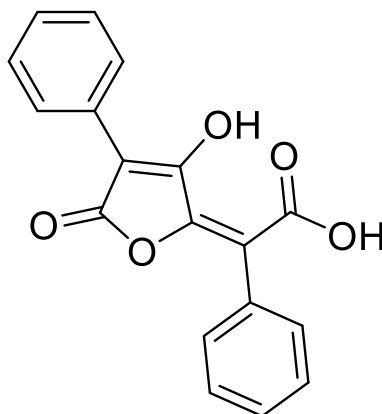


## Pulvinic acid

Code No.: **BIA-P1808**

Pack sizes: **0.25 mg, 1 mg**



Synonyms :

## Specifications

CAS #	: 26548-70-9
Molecular Formula	: C <sub>18</sub> H <sub>12</sub> O <sub>5</sub>
Molecular Weight	: 308.3
Source	: Lichen
Appearance	: Yellow residue
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO

## Application Notes

Pulvinic acid is a pigment produced by large number of lichen species reported over 100 years ago. The structure of pulvinic acid was proved synthetically by Volhard in 1894. Pulvinic acid is the core nucleus of a broad number of pigments: calycin, epanorin, rhizopcarpic acid, pinastric acid pulvinamide, vulpinic acid and the reactive pulvinic acid lactone. Pulvinic acid and related pigments are considered to play an important role in protection of lichens from UV radiation and are reported to display broad biological activity against bacteria, fungi, plants and viruses.

## References

1. Synthese und Constitution der Vulpinsäure. Volhard J. Justus Liebigs Annalen der Chemie 1898, 282, 1.
2. The synthesis of vulpinic acid from polyporic acid. Frank R.L. et al. J Am Chem Soc 1950, 72, 1824.
3. Chemical constituents of the lichen, Candelaria concolor: A complete NMR and chemical degradative investigation. Dias D.A. & Urban S. Nat Prod Res 2009, 23, 925.