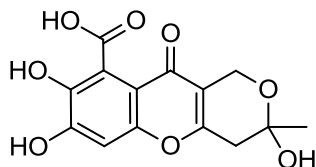


## Fulvic acid

Code No.: **BIA-F1625**

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



Synonyms :

## Specifications

CAS #	: 479-66-3
Molecular Formula	: C <sub>14</sub> H <sub>12</sub> O <sub>8</sub>
Molecular Weight	: 308.2
Source	: <i>Cercospora piaropi</i>
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

Fulvic acid is a fungal metabolite isolated from three *Penicillium* species by Raistrick and co-workers in 1935. Identification was based on the highly characteristic green complex formed with ferric ions. Fulvic acid is related to the siderophores, citromycetin and other 2,3-dihydrobenzoates. The literature of fulvic acid is frequently confused with a humic acid component bearing the same name. The biological activity of this fungal metabolite is not extensively characterised but its affinity to ferric ions suggests it complexes metal ions.

## References

1. Studies in the biochemistry of micro-organisms XLIV. Fulvic acid, a new crystalline yellow pigment, a metabolite product of *P. griseofulvum* Dierckx, *P. flexuosum* Dale and *P. brefeldianum* Dodge. Oxford A.E. et al., *Biochem J.* 1935, 29, 1102.
2. Fulvic acid: Its structure and relationship to citromycetin and fusarubin. Dean F.M. et al., *Nature* 1957, 179, 366.