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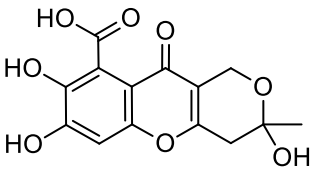
PRODUCT DATA SHEET

Fulvic acid

Code No.: **BIA-F1625**

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



Synonyms : -

Specifications

CAS #	:	**479-66-3**
Molecular Formula	:	**$C_{14}H_{12}O_8$**
Molecular Weight	:	**308.2**
Source	:	***Cercospora piaropi***
Appearance	:	**White to off white solid**
Purity	:	**>95% by HPLC**
Long Term Storage	:	**-20°C**
Solubility	:	**Soluble in methanol, 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-organsims 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.

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