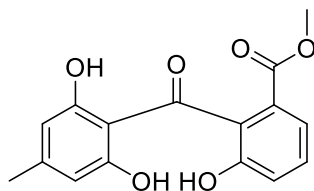


Moniliphenone

Code No.: **BIA-M2836**

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



Synonyms :

Specifications

CAS #	: 104022-80-2
Molecular Formula	: C ₁₆ H ₁₄ O ₆
Molecular Weight	: 302.3
Source	: <i>Fusarium moniliforme</i>
Appearance	: Yellow solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Moniliphenone was first isolated from *Monilinia fructicola* during a biosynthetic study of chloromonilicin, a novel growth self-inhibitor, by researchers at Yamagata University, Japan in 1986. Moniliphenone is a key intermediate in biosynthesis of the fungal xanthenes belonging to the group of pinselin and its related metabolites. Moniliphenone is weakly active against a range of human tumor cell lines. Moniliphenone is a weak phytotoxin.

References

1. Isolation of a key intermediate in xanthone biosynthesis from *Monilinia fructicola*. Kachi H. & Sassa T. *Agric Biol Chem.* 1986, 50, 1669.
2. Cytotoxic xanthone–anthraquinone heterodimers from an unidentified fungus of the order Hypocreales (MSX 17022). Ayers S. et al. *J Antibiot.* 2012, 65, 3.
3. Rabenchromenone and rabenzophenone, phytotoxic tetrasubstituted chromenone and hexasubstituted benzophenone constituents produced by the oak-decline-associated fungus *Fimetariella rabenhorstii*. Bashiri S. et al. *J Nat Prod.* 2020, 83, 447.