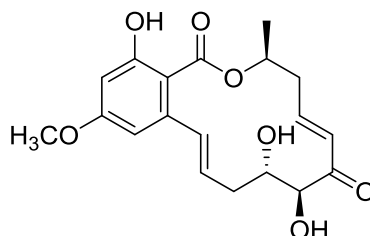


(5E)-7-Oxozeaenol

Code No.: **BIA-O1897**

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



Synonyms : f 152 B1, iso-LL Z1640-2

Specifications

CAS #	: 1198574-97-8
Molecular Formula	: C₁₉H₂₂O₇
Molecular Weight	: 362.4
Source	: <i>Curvularia</i> sp.
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

(5E)-7-Oxozeaenol ("iso-LL Z1640-2") is a resorcylic acid lactone belonging to the zearalenone class, recognised as a minor metabolite of the fungus, *Drechslera portulacae*. (5E)-7-Oxozeaenol was rediscovered as a major analogue of a resorcylic acid lactone complex from a Phoma-related species by Pierce and colleagues in 2011. (5E)-7-Oxozeaenol is the double bond isomer of LL Z1640-2 ((5Z)-7-oxozeaenol), a selective TAK 1 inhibitor. (5E)-7-Oxozeaenol exhibits moderate anti-tumor activity and NF-KB inhibitory activity but is otherwise unexplored.

References

1. Zearalenone derivatives produced by the fungus *Drechslera portulacae*. Sugawara F. et al., *Phytochem.* 1992, 31, 1987.
2. Resorcylic acid lactones with cytotoxic and NF-KB inhibitory activities and their structure-activity relationships. Ayers S. et al., *J. Nat. Prod.* 2011, 74, 1126.