

Product Information

Alternariol

CAT#: INH-006

Product Information

Description/Features	<p>Mycotoxin. Phytotoxin. Shows cytotoxic, teratogenic, mutagenic and genotoxic properties by DNA intercalation. Induces several types of DNA damage, including oxidative DNA damage, single-stranded DNA breaks (SSB) and double-strand, through AOH-induced ROS production and interaction with DNA topoisomerase. Inhibits the activity of topoisomerase IIα in mammalian cells. Induces cell growth arrest in G2/M phase. GSK-3β inhibitor (sub-μM IC50 values). Antiviral activity (herpes simplex). Hepatitis C NS3-4A protease inhibitor. Induces cytochrome P450 1A1 expression and apoptosis in mouse hepatoma cells.</p>
Origin	Alternaria sp
Forms	Light brown solid.
Purity	\geq 98% (HPLC)
Formula	C14H10O5
MW	258.2
CAS	641-38-3
Solubility	Soluble in DMSO (20mg/ml) or DMF. Slightly soluble in acetone (1mg/ml).
Identity	Determined by 1H-NMR.
Synonyms	AOH; NSC 638263; 3,4',5-Trihydroxy-6'-methylbenzo- α -pyrone
Storage	Stable for at least 1 year after receipt when stored at +4°C. After reconstitution protect from light at -20°C.