

Product Data Sheet

Product Name: Fusarenon X

Cat. No.: GC43718

Chemical Properties

Cas. No. 23255-69-8

SMILES CC1=C[C@]2([H])[C@]([C@]([C@H](OC(C)=O)[C@H]3O)(C)[C@@]4(OC4)[C@]3([H])O2)(CO)[C@H](O)C1=O

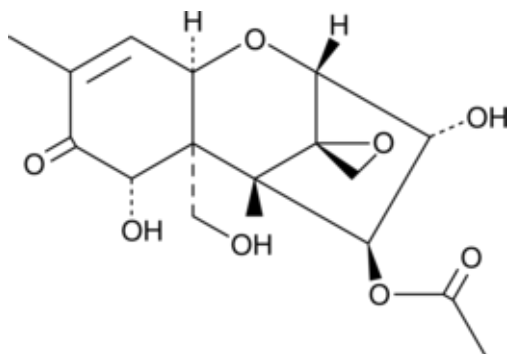
Formula C₁₇H₂₂O₈ M.Wt 354.4

Solubility Dichloromethane: Soluble Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Fusarenon X is a type B trichothecene mycotoxin typically derived from *Fusarium* species. It is primarily found in contaminated cereals. Fusarenon X inhibits protein synthesis, which leads to disruption of DNA synthesis. As this occurs in actively proliferating cells, fusarenon X causes immunosuppression, intestinal malabsorption, developmental toxicity, and genotoxicity. Fusarenon X can be metabolized to fusarenon X-glucoside by infected plants.

Caution: Product has not been fully validated for medical applications. For research use only.

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