



Product Information

Product ID N1858

CAS No. 36519-25-2

Chemical Name

Synonym 8-Hydroxydiacetoxyscirpenol
Trichothec-9-ene-3- α ,4- β ,8- α ,15-tetrol, 12,13-epoxy-, 4,15-diacetate

Formula C₁₉H₂₆O₈

Formula Wt. 382.40

Melting Point 176-178 °C

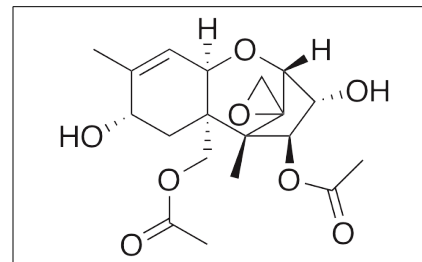
Purity ≥98%

Solubility Soluble in DMSO (10 mg/mL), methanol (10 mg/mL).

Store Temp 4 °C

Ship Temp Ambient

Description Neosolaniol is a type A trichothecene mycotoxin initially produced by species of *Fusarium*. Neosolaniol is typically found in grains used for livestock feed as well as human consumption, such as cereal and bread. Neosolaniol is mainly cytotoxic to dividing cells. In vitro, neosolaniol decreases erythrocyte counts and increases large platelet counts.



Bulk quantities available upon request

Product ID	Size
N1858	1 mg
N1858	5 mg

References Monbaliu S, Van Poucke C, Detavernier C, et al. Occurrence of mycotoxins in feed as analyzed by a multi-mycotoxin LC-MS/MS method. *J Agric Food Chem.* 2010 Jan 13;58(1):66-71. PMID: 19994896.

Gottschalk C, Barthel J, Engelhardt G, et al. Occurrence of type A trichothecenes in conventionally and organically produced oats and oat products. *Mol Nutr Food Res.* 2007 Dec;51(12):1547-53. PMID: 18030660.

Altomare C, Ritieni A, Perrone G, et al. Production of neosolaniol by *Fusarium tumidum*. *Mycopathologia.* 1995 Jun;130(3):179-84. PMID: 7566071.

Janse van Rensburg DF, Thiel PG, Jaskiewicz K. Short-term effects of two fusarium toxins, diacetoxyscirpenol and neosolaniol monoacetate, in male Wistar rats. *Food Chem Toxicol.* 1987 Oct;25(10):767-71. PMID: 3679023.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.