**PRODUCT INFORMATION**

**Asteltoxin**

*Item No. 19622*

**CAS Registry No.:** 79663-49-3  
**Formal Name:** 6-[(1E,3E,5E)-6-[(2R,3R,3aR,4R,5R,6aS)-5-ethylhexahydro-3,4-dihydroxy-3a,4-dimethylfuro[2,3-b]furan-2-yl]-1,3,5-hexatrien-1-yl]-4-methoxy-5-methyl-2H-pyran-2-one  
**MF:** C_{23}H_{30}O_7  
**FW:** 418.5  
**Purity:** ≥97%  
**Supplied as:** A solid  
**Storage:** -20°C  
**Stability:** As supplied, 2 years from the QC date provided on the Certificate of Analysis, when stored properly  
**Special Conditions:** Keep cool and dry. Protect from light.

**Labatory Procedures**

Asteltoxin is supplied as a solid. A stock solution may be made by dissolving the asteltoxin in the solvent of choice. Asteltoxin is soluble in organic solvents such as ethanol and DMSO.

**Description**

Asteltoxin is a mycotoxin originally isolated from *Aspergillus* that has been shown to inhibit mitochondrial oxidative phosphorpyloration.\(^1,2\) It also inhibits the ATPase activity of BF\(_1\) from *E. coli* (\(K_d = 8 \mu M\)).\(^1,3\)

**References**