**PRODUCT DATA SHEET**

**Avenaciolide**

**Code No.:** BIA-A1409  
**Pack sizes:** 0.5 mg, 2.5 mg

![Chemical structure of Avenaciolide](image)

**Specifications**

- **CAS #**: 16993-42-3
- **Molecular Formula**: C_{15}H_{22}O_{4}
- **Molecular Weight**: 266.3
- **Source**: Aspergillus sp.
- **Appearance**: Colourless residue
- **Purity**: >95% by HPLC
- **Long Term Storage**: -20°C
- **Solubility**: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

**Application Notes**

Avenaciolide, a bicyclic bis-butyrolactone, was isolated from Aspergillus avenaceus in 1963 as an antifungal agent. Avenaciolide inhibits glutamate transport and is also thought to act as an atypical ionophore.

**References**