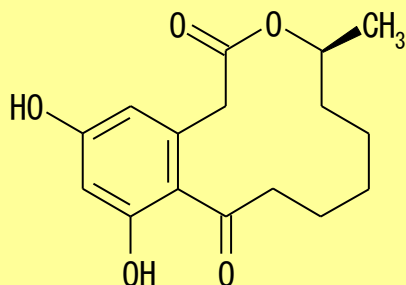


Curvularin

Cat.# BLK-0410

Structure

**Origin:** *Penicillium* sp.**CAS Registry Number:** 10140-70-2**Appearance:** off white solid**Molecular Formula/ Weight:** C₁₆H₂₀O₅=292.33**Purity:** >95% by HPLC**Solubility:** Sol. 1mg/ml ethanol, methanol, DMSO**Background Information:**

Curvularin, a 12-membered macrolactone antibiotic, was isolated from a number of fungal species. It is an inhibitor of acetylcholinesterase (AChE), and inhibitor of Janus kinase/signal transducer and activator of transcription (JAK/STAT) signaling pathway. And, this compound shows microbial activity, and cell division inhibitory activity.

Handling and Storage:

Store at -20°C.

References:

1. *Agricultural and Biological Chemistry* 52(12), 3119-3123, 1988-12-23
2. *Mol Pharmacol.* 2003 Feb;63(2):383-91.
3. *Appl Biochem Biotechnol.* 2009 Oct;159(1):284-93.
4. *Biochem Pharmacol.* 2010 Mar 1;79(5):722-32.
5. *J Pharmacol Exp Ther.* 2012 Oct;343(1):106-14.
6. *Springerplus.* 2013 Dec;2(1):122.

Manufactured with Cortesy strain from The Kitasato Institute.