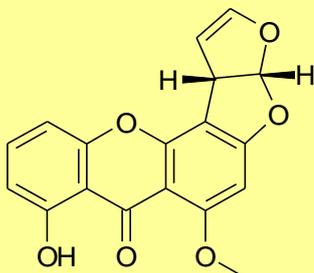


Sterigmatocystin

Cat.# BLK-1550

Structure



Origin: Aspergillus creber.

CAS Registry Number: 10048-13-2

Appearance: Pale yellow solid

Molecular Formula/ Weight: C₁₈H₁₂O₆=324.29

Purity: >95.0% by HPLC

Solubility: Sol. in 1mg/ml ethanol, methanol, DMSO

Background Information:

Sterigmatocystin, intermediate of the biosynthetic pathway to aflatoxin B₁, is isolated from *Aspergillus*. It shows toxicological, mutagenic and carcinogenic effects in animals and has been recognized as a 2B carcinogen.

And it is inhibitor of DNA synthesis. Induces sister chromatid exchanges in bone marrow cells of mice.

Handling and Storage:

Store at -20°C.

References:

1. Mol Med Rep. 2012 May;5(5):1318-22.
2. Mol Nutr Food Res. 2010 Jan;54(1):136-47.
3. Folia Biol (Praha). 1986;32(6):406-13.
4. Antimicrob Agents Chemother. 1975 Aug;8(2):159-63.
5. J. Chem. Soc., 1960, 2169-2178

Manufactured with Courtesy strain from The Kitasato Institute.