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**Product Data Sheet**


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Product Name: O-methyl Sterigmatocystin

Cat. No.: GC18727

**Chemical Properties**

Cas. No. 17878-69-2

Chemical Name N/A

SMILES O=C(C(C(OC)=CC=C1)=C1O2)C3=C2C([C@@](C=CO4)([H])[C@@]4([H])O5)=C5C=C3OCFormula C<sub>19</sub>H<sub>14</sub>O<sub>6</sub> M.Wt 338.3

Solubility DMF: Soluble,DMSO: Soluble Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

O-methyl Sterigmatocystin (OMST) is a xanthone found in several fungal species including *A. flavus*, *A. parasiticus*, *A. versicolor*, and *B. piluliferum*. It is a carcinogenic precursor of aflatoxin G1 and aflatoxin B1 that is a known contaminant of agricultural soils. OMST is cytotoxic against NCI-H187 human small cell lung cancer cells and African green monkey kidney (Vero) cells (IC50s = 62.2 and 0.65 mM, respectively).

**Caution: Product has not been fully validated for medical applications. For research use only.**

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