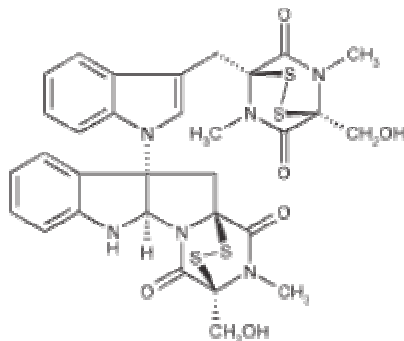


PRODUCT DATA SHEET

Product: Chetomin

Cat. No.: BC-255 (1 mg)



MW: 710.9

Formula:

$C_{31}H_{30}N_6O_6S_4$

Origin:

Isolated from *Chaetomium* species.

Format:

Lyophilized powder. Off-white to fawn solid.
Purity \geq 98% by HPLC.

Solubility:

Soluble in DMSO, ethyl acetate or pyridine; fairly soluble in methanol, 100% ethanol; insoluble in water.

Specific Activity:

Antibacterial agent. Cytotoxic. Dithiodiketopiperazine inhibitor of HIF-1 formation by disrupting the binding of p300 to both HIF-1 α and HIF-2 α . Inhibitor of tumor growth. Potent immunosuppressor (Con A-induced (IC_{50} = 0.17 μ g/ml) and LPS-induced (IC_{50} = 0.09 μ g/ml) proliferation of mouse splenic lymphocytes).

Hazard:

Cytotoxic

Storage and Stability:

Store at 4°C long term.

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.