

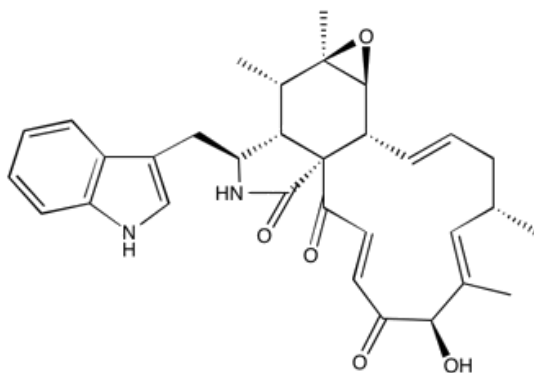
Catalog # 10-3081

Chaetoglobosin A

CAS# 50335-03-0

(7S,13E, 16S, 17E, 19R, 21E)-6,7-Epoxy-19-hydroxy-10-(1H-indol-3-yl)-16,18-dimethyl-[13]cytochalasane-13,17,21-triene-1,20,23-trione

Lot # X106282



A cytochalasin analog which targets filamentous actin. Displays cytotoxic effects against human colorectal HCT116 cells, $IC_{50}=3.15 \mu M$.¹ Preferentially induces apoptosis in chronic lymphocytic leukemia cells via targeting the cytoskeleton.² Enhances the fibrinolytic activity of vascular endothelial cells.³

- 1) Li *et al.* (2014), *Chaetoglobosins from Chaetomium globosum, an endophytic fungus in Ginkgo biloba, and their phytotoxic and cytotoxic activities*; J. Agric. Food Chem., **62** 3734
- 2) Knudsen *et al.* (2014), *Chaetoglobosin A preferentially induces apoptosis in chronic lymphocytic leukemia cells by targeting the cytoskeleton*; Leukemia, **28** 1289
- 3) Shinohara *et al.* (2000), *Enhancement of fibrinolytic activity of vascular endothelial cells by chaetoglobosin A, crinipellin B, geodin and triticone B*; J. Antibiot. (Tokyo), **53** 262

PHYSICAL DATA

Molecular Weight:	528.64
Molecular Formula:	C ₃₂ H ₃₆ N ₂ O ₅
Purity:	98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (up to 5 mg/ml)
Physical Description:	Yellow solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 1 month.

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