BioViotica
Rare Active Natural Products

PRODUCT DATA SHEET

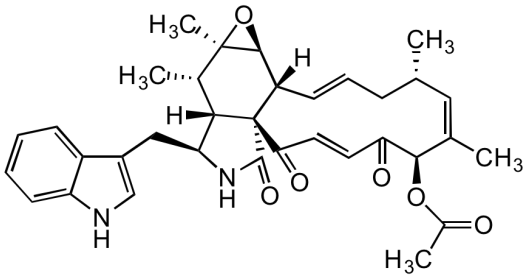
www.bioviotica.com

BVT-0383

02-Oct-2015

19-O-Acetylchaetoglobosin A

BVT-0383-M001	1 mg
BVT-0383-M005	5 mg
Formula	$C_{34}H_{38}N_2O_6$
MW	570.7
CAS	50939-69-0



Handling / Storage

Shipping	AMBIENT
Short Term Storage	+4°C
Long Term Storage	+4°C

After reconstitution protect from light at -20°C. Protect from light.

Use / Stability

Stable for at least 1 year after receipt when stored at +4°C. After reconstitution protect from light at -20°C.

MSDS available at www.adipogen.com or upon request.

Product Specifications

Source/Host	Isolated from *Chaetomium* sp.
Purity	≥98% (HPLC, NMR)
Identity	Determined by ^{1}H-NMR and MS.
Appearance	Yellow solid.
Solubility	Soluble in DMSO, acetone or dichloromethane. Fairly soluble in water or methanol.

Product Description

- Cytochalasan alkaloid, derivative of chaetoglobosin A (Prod. No. BVT-0092).
- Mycotoxin.
- Phytotoxin.

Product Specific References

1. 19-O-Acetylchaetoglobosin B and 19-O-Acetylchaetoglobosin D, Two New Metabolites of Chaetomium globosum: A. Probst & C. Tamm; Helv. Chim. Acta **64**, 2056 (1981)

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2. Biosynthesis of the cytochalasans. Biosynthetic studies on chaetoglobosin A and 19-O-acetylchaetoglobosin A: A. Probst & C. Tamm; Helv. Chim. Acta **64**, 2065 (1981)

3. Chaetoglobosins, cytotoxic 10-(indol-3-yl)-[13]cytochalasans from Chaetomium spp. I. production, isolation and some cytological effects of chaetoglobosin A-J: S. Sekita, et al.; Chem. Pharm. Bull. **30**, 1609 (1982)

4. Chaetoglobosins, cytotoxic 10-(indol-3-yl)-[13]cytochalasans from chaetomium spp. II Structures of chaetoglobosins A, B, and D: S. Sekita, et al.; Chem. Pharm. Bull. **30**, 1618 (1982)

5. Structure-activity relationship of thirty-nine cytochalasans observed in the effects on cellular structures and cellular event and on actin polymerization in vitro: S. Sekita, et al.; J. Pharmacobio-Dynam. **8**, 906 (1985)

6. Phytotoxic chaetoglobosins are produced by the plant pathogen Calonectria morganii (anamorph Cylindrocladium scoparium): C. Wallbrunn, et al.; J. Gen. Appl. Microbiol. **47**, 33 (2001)

7. Combinatorial generation of complexity by redox enzymes in the chaetoglobosin A biosynthesis: K. Ishiuchi, et al.; JACS **135**, 7371 (2013)

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