

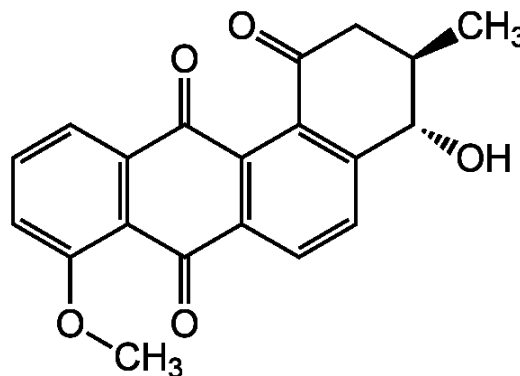
BVT-0023

24-Mar-2014

Rubiginone A2

[Fujianmycin B; SNA 8073A]

BVT-0023-M001	1 mg
BVT-0023-M005	5 mg
Formula	C ₂₀ H ₁₆ O ₅
MW	336.3
CAS	96695-58-8



Handling / Storage

Shipping	AMBIENT
Short Term Storage	+4°C
Long Term Storage	-20°C

Protect from light.

Use / Stability

Stable for at least 1 year after receipt when stored at -20°C. Store solutions at -20°C in the dark.

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

Product Specifications

Source/Host	Isolated from <i>Streptomyces</i> sp. (strain Gö N1/5).
Purity	≥98% (HPLC)
Identity	Determined by ¹ H-NMR.
Appearance	Yellow solid.
Solubility	Soluble in DMSO or acetone; slightly soluble in methanol.

Product Description

- Antibiotic.
- Antibacterial.
- Stereoisomer of SNA 8073B which is a prolyl endopeptidase (PEP) inhibitor.
- Vincristine-induced cytotoxicity potentiating activity against multi-drug-resistant tumor cells.

WARNING: Intended for research use only. This product is not intended or approved for human, diagnostics, therapeutic or veterinary use. Use of this product for human or animal testing is extremely hazardous and may result in disease, severe injury, or death. **MATERIAL SAFETY DATA:** Review the complete Material Safety Data Sheet before use.

Product Specific References

1. Fujianmycins A and B, new benz[a]anthraquinone antibiotics from a *Streptomyces* species: R.W. Rickards & J.P. Wu; J. Antibiot. **38**, 513 (1985)
2. Chemical and biological properties of rubiginone, a complex of new antibiotics with vincristine-cytotoxicity potentiating activity: M. Oka, et al.; J. Antibiot. **43**, 967 (1990)
3. SNA-8073-B, a new isotetracenone antibiotic inhibits prolyl endopeptidase. I. Fermentation, isolation and biological properties: K. Kimura, et al.; J. Antibiot. **50**, 291 (1997)
4. Prolyl endopeptidase inhibitors derived from actinomycetes: K. Kimura, et al.; Biosci. Biotechnol. Biochem. **61**, 1754 (1997)
5. New biologically active rubiginones from *Streptomyces* sp.: C. Puder, et al.; J. Antibiot. **53**, 329 (2000)

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