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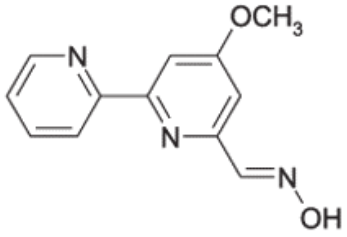
Product Information

Caerulomycin A
from S*treptomyces caeruleus*

Catalog Number **C6374**
Storage Temperature –20 °C

CAS RN 21802-37-9
Synonyms: Cerulomycin, Carulomycin A



Product Description
Molecular Weight: 229.23
Molecular formula: $C_{12}H_{11}N_3O_2$

Caerulomycins produced by *Streptomyces caeruleus* are bipyridinic molecules endowed with antibiotic properties. Caerulomycin A was found to have a strong antifungal and antiamoebic activity, and a mild antibacterial activity.[1,2]

Purity: ≥98% by HPLC

Precautions and Disclaimer
This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Preparation Instructions
A Caerulomycin A stock solution may be prepared in DMSO or methanol at 1 mg/mL. The stock solution can be further diluted in water to 0.1 mg/mL. Higher concentrations may require gentle heating to 40 °C. Dilutions from the stock solution should be freshly prepared.

Storage/Stability
Store the product sealed at –20 °C. Under these conditions the product is stable for at least 2 years.

References
1. Funk, A., and Divekar, P.V., Caerulomycin, a new antibiotic from *Streptomyces caeruleus Baldacci*. I. Production, isolation, assay, and biological properties. *Can. J. Microbiol*., **5**, 317-321 (1959).
2. Chatterjee, D.K., et al., Caerulomycin, an antifungal antibiotic with marked *in vitro* and *in vivo* activity against *Entamoeba histolytica***.** *Z. Parasitenkd.,* **70**, 569-573 (1984).

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