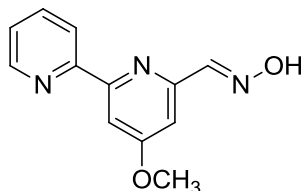


Caerulomycin

Code No.: **BIA-C1373**

Pack sizes: **1 mg, 5 mg**



Synonyms : Cerulomycin, Caerulomycin A

Specifications

CAS #	: 21802-37-9
Molecular Formula	: C₁₂H₁₁N₃O₂
Molecular Weight	: 229.2
Source	: <i>Streptomyces</i> sp.
Appearance	: White solid
Purity	: >98% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Caerulomycin is a rare and unusual antibiotic containing a core 2, 2'-bispyridyl with an oxime substituent, produced by a strain of *Streptomyces caeruleus* isolated in Canada in 1959. Caerulomycin is active against fungi and some protozoans, and is weakly active against bacteria. While its discovery has stimulated some synthetic effort, little is known about the mode and spectrum of action of caerulomycin.

References

1. Caerulomycin, a new antibiotic from *Streptomyces caeruleus* Baldacci: I. Production, isolation, assay and biological properties. Funk A. & Divekar P.V. Can. J. Microbiol. 1959, 5, 317.
2. Caerulomycin, a new antibiotic from *Streptomyces caeruleus* Baldacci. II. Structure. Divekar P.V. et al. Can. J. Chem. 1967, 45, 1215.

Updated: 2 December 2014