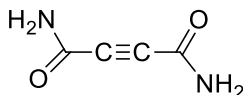


Cellocidin

Code No.: **BIA-C1449**

Pack sizes: **5 mg, 25 mg**



Synonyms : Aquamycin, Butynesiamide, Lenamycin,

Specifications

CAS #	: 543-21-5
Molecular Formula	: C₄H₄N₂O₂
Molecular Weight	: 112.1
Source	: Synthetic
Appearance	: White to off white solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

Application Notes

Cellocidin is a small neutral alkyne produced by a number of *Streptomyces* species, first discovered by Suzuki and colleagues in 1958. Cellocidin has a broad antibacterial, antifungal and antitumor profile due to its ability to react with endogenous thiols like cysteine and glutathione. Cellocidin occurs as a weak active in many bioassays using actinomycete crude extracts and is thus a useful standard for chemical and bioassay dereplication.

References

1. Cellocidin, a new antibiotic. Suzuki S. et al., J. Antibiot. 1958, 11, 81.
2. The structure of cellocidin. Suzuki S. & Okuma K. J. Antibiot. 1958, 11, 84.
3. Antagonistic mechanism of sulfhydryl compounds on cellocidin activity. Yoneyama K. et al., J. Antibiot. 1978, 31, 065.