Product Name: Cellocidin

Product Number: C163

CAS Number: 543-21-5

Molecular Formula: C₄H₄N₂O₂

Molecular Weight: 112.1

Appearance: White to off white solid

Storage Conditions: -20°C

Description: 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.

Cellocidin is soluble in ethanol, methanol, DMF and DMSO.

References:

