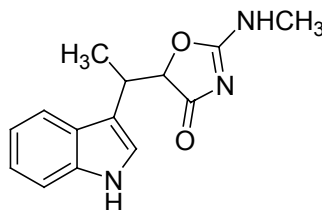


Indolmycin

Code: **BIA-I1040**

Pack sizes: **1.0 mg, 5.0 mg**



Synonyms : **Antibiotic PA 155A**

Specifications

CAS # : **21200-24-8**
Molecular Formula : **C₁₄H₁₅N₃O₂**
Molecular Weight : **257.3**
Source : ***Streptomyces* sp. MST-AS5532**
Appearance : **White powder**
Purity : **> 99% by HPLC, mixture of diastereoisomers**
Long Term Storage : **-20°C**
Solubility : **Soluble in ethanol, methanol, DMF or DMSO.**

Application Notes

Indolmycin is a highly selective antibiotic which acts as a tryptophan anti-metabolite. Recent research has shown that indolmycin is active against Mycobacteria and *Helicobacter pylori* and can stimulate transcription in *Escherichia coli*.

References

1. Indolmycin resistance of *Streptomyces coelicolor* A3(2) by induced expression of one of its two tryptophanyl-tRNA synthetases. Kitabatake M. et al. *J. Biol. Chem.* **2002**, 277, 23882.
2. Development of a stereoselective practical synthetic route to indolmycin, a candidate anti-*H. pylori* agent. Hasuoka A. et al. *Chem. Pharm. Bull.* **2001**, 49, 1604.
3. Indolmycin-mediated inhibition and stimulation of transcription at the trp promoter of *Escherichia coli*. Bogosian G. et al. *J. Bacteriol.* **1983**, 153, 1120.