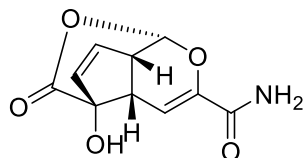


Echinospirin

Code No.: **BIA-E1912**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms : (-)-Echinospirin, Antibiotic XK 213, NSC 357683, XK 213

Specifications

CAS #	: 79127-35-8
Molecular Formula	: C₁₀H₉NO₅
Molecular Weight	: 223.2
Source	: <i>Streptomyces</i> sp.
Appearance	: White to off-white solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in water, methanol or dimethylformamide

Application Notes

Oligomycins and pamamycin homologs impair motility and induce lysis of zoospores of the grapevine downy mildew pathogen, *Plasmopara viticola*. Dame Z.T. et al. FEMS Microbiol Lett. 2016, 363, 167.

References

1. A new antibiotic echinosporin (XK-213)-producing organism, isolation and characterization. Sato T. et al. J Antibiot. 1982, 35, 266.
2. Echinospirins as new cell cycle inhibitors and apoptosis inducers from marine-derived *Streptomyces* albogriseolus. Cui C.B. et al. Fitoterapia 2007 Apr;78(3):238-40.
3. Antitumor activity of echinosporin. Morimoto M. & Imai R. J Antibiot. 1985, 38, 490.
4. Echinospirin antibiotics isolated from *Amycolatopsis* strain and their antifungal activity against root-rot pathogens of the *Panax notoginseng*. Xu X. et al. Folia Microbiol. 2019, 64, 171.
5. Oligomycins and pamamycin homologs impair motility and induce lysis of zoospores of the grapevine downy mildew pathogen, *Plasmopara viticola*. Dame Z.T. et al. FEMS Microbiol Lett. 2016, 363, 167.