

Aclacinomycin

Chemical Properties

CAS No. : 66676-88-8

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Aclacinomycin

Biological Description

Description	Aclacinomycin A is an anthracycline drug. It sensitizes K562 chronic myeloid leukemia cells to imatinib through p38MAPK-mediated erythroid differentiation. It is used in the treatment of cancer.
Targets(IC50)	Others

Reference

Bundale S, Begde D, Pillai D, Gangwani K, Nashikkar N, Kadam T, Upadhyay A. Novel aromatic polyketides from soil *Streptomyces* spp.: purification, characterization and bioactivity studies. *World J Microbiol Biotechnol.* 2018 Apr 24;34(5):67. doi: 10.1007/s11274-018-2448-1. PubMed PMID: 29691661.

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Sakai T, Miyazaki T, Shin DM, Kim YS, Qi CF, Fariss R, Munasinghe J, Wang H, Kovalchuk AL, Kothari PH, Fermaintt CS, Atkinson JP, Perrino FW, Yan N, Morse HC 3rd. DNase-active TREX1 frame-shift mutants induce serologic autoimmunity in mice. *J Autoimmun.* 2017 Jul;81:13-23. doi: 10.1016/j.jaut.2017.03.001. Epub 2017 Mar 18. PubMed PMID: 28325644; PubMed Central PMCID: PMC5558601.

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