



A New Antibacterial Pyridinoside from a *Streptomyces* Species

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SUMMARY. A new compound, 8-propionate-2- β -(D+)-glucosyl-9,10-pyranopyridine, was isolated from the chloroform extract of a *Streptomyces* species. The structure of the compound was confirmed by spectroscopic techniques including UV, IR, HR-ESI-MS, $^1\text{H-NMR}$, $^{13}\text{C-NMR}$, $^1\text{H-}^1\text{H COSY}$ and HMBC (long range coupling) spectra. The compound showed significant antibacterial activity against Gram-positive bacteria. The minimum inhibitory concentrations (MIC) of the isolated compound against *Bacillus megaterium*, *Streptococcus β -haemolyticus*, *Bacillus subtilis*, *Escherichia coli*, *Salmonella typhi* and *Shigella dysenteriae* were found to be 0.16, 0.08, 0.08, 0.04, 0.08 and 0.08 μM , respectively.

KEY WORDS: antibacterial activity, 8-propionate-2- β -(D+)-glucosyl-9,10-pyranopyridine, *Streptomyces* species.

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