



GE23077 PRODUCT DATA SHEET

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Product Name:	GE23077
Product Number:	G060
Molecular Formula:	$C_{32}H_{52}N_8O_{16}$
Molecular Weight:	804.35
Description:	GE23077 is a cyclic antimicrobial peptide isolated from <i>Actinomadura</i> spp.
Mechanism of Action:	GE23077 inhibits transcription and protein synthesis in bacteria by binding directly to bacterial RNA polymerase.
Spectrum:	GE23077 has a narrow spectrum of activity against Gram-positive and Gram-negative bacteria.
Technical Data:	HPLC, NMR, FTIR, and MS analysis may be available. For more info, please email info@toku-e.com .
References:	<p>Sarubbi, Edoardo, Federica Monti, Emiliana Corti, Anna Miele, and Enrico Selva. "Mode of Action of the Microbial Metabolite GE23077, a Novel Potent and Selective Inhibitor of Bacterial RNA Polymerase." <i>European Journal of Biochemistry</i> 271.15 (2004)</p> <p>Zhang, Yu, David Degen, Mary X. Ho, Elena Sineva, Katherine Y. Ebright, Yon W. Ebright, Vladimir Mekler, Hanif Vahedian-Movahed, Yu Feng, Ruiheng Yin, Steve Tuske, Herbert Irschik, Rolf Jansen, Sonia Maffioli, Stefano Donadio, Eddy Arnold, and Richard H. Ebright. "GE23077 Binds to the RNA Polymerase 'i' and 'i 1' Sites and Prevents the Binding of Initiating Nucleotides." <i>ELife</i> 3 (2014)</p>

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