

Product Name:	Aspartocin D
Product Number:	A131
CAS Number:	N/A
Molecular Formula:	$C_{56}H_{87}N_{13}O_{20}$
Molecular Weight:	1262.4
Appearance:	Off white to fawn solid
Storage Conditions:	-20°C
Description:	<p>Aspartocin D is a minor analogue of the amphomycin complex, a family of lipopeptide antibiotics produced by <i>Streptomyces canus</i>, isolated and reported by researchers at Fujian Institute of Microbiology in China in 2014. Aspartocin D is active against Gram positive bacteria and is presumed to act by inhibiting bacterial cell wall peptidoglycan synthesis, however its bioprofile and potential utility has not been extensively investigated.</p>
Mechanism of Action:	<p>Aspartocin D is soluble in ethanol, methanol, DMF and DMSO.</p> <p>Aspartocin D is presumed to act by inhibiting bacterial cell wall peptidoglycan synthesis, however its bioprofile and potential utility has not been extensively investigated.</p>
References:	<p>Amphomycin. A new antibiotic. Heineman B. et al. <i>Antibiot. Chemother.</i> 1953, 3, 1239.</p> <p>Two novel amphomycin analogs from <i>Streptomyces canus</i> strain FIM-0916. Yan H-J. et al. <i>Nat. Prod. Res.</i> 2014, 28, 861.</p>