

Product Name:	Azidamfenicol
Product Number:	A141
CAS Number:	13838-08-9
Molecular Formula:	$C_{11}H_{13}N_5O_5$
Molecular Weight:	295.3
Appearance:	White solid
Storage Conditions:	-20°C
Description:	<p>Azidamfenicol is a semi-synthetic chloramphenicol in which the nitro moiety is replaced with a methylsulphone and the dichloroacetamide is replaced with azidoacetamide, first synthesised at Bayer in 1959. Azidamfenicol is a broad spectrum antibiotic with good activity against Gram negative and anaerobic bacteria. Azidamfenicol has received little research attention with only a few literature citations.</p>
Mechanism of Action:	<p>Azidamfenicol is soluble in ethanol, methanol, DMF and DMSO.</p> <p>Azidamfenicol acts by binding to the 23S sub-unit of the 50S ribosome, inhibiting protein synthesis.</p>
References:	<p>1-p-Nitrophenyl-2-azidoacetylaminopropane derivatives. Meiser W. & Domagk G. 1959 US Patent 2,882,275.</p>