

<b>Product Name:</b>	Bicyclomycin
<b>Product Number:</b>	B048
<b>CAS Number:</b>	38129-37-2
<b>Molecular Formula:</b>	$C_{12}H_{18}N_2O_7$
<b>Molecular Weight:</b>	302.3
<b>Appearance:</b>	White solid
<b>Storage Conditions:</b>	-20°C
<b>Description:</b>	<p>Bicyclomycin is a polar metabolite first isolated from <i>Streptomyces sapporonensis</i> in 1972. The selective Gram negative profile of bicyclomycin is rare among <i>Streptomyces</i> metabolites.</p> <p>Bicyclomycin is soluble in ethanol, methanol, DMF and DMSO.</p>
<b>Mechanism of Action:</b>	<p>The primary site of action for bicyclomycin is thought to be the rho transcription termination factor.</p>
<b>References:</b>	<p>Bicyclomycin, a new antibiotic I. Taxonomy, isolation and characterization. Miyoshi T. et al. J. Antibiot. 1972, 25, 569.</p> <p>Bicyclomycin, a new antibiotic II. Structural elucidation and acyl derivatives. Kamiya T. et al. J. Antibiot. 1972, 25, 576.</p> <p>Transcription termination factor rho: The site of bicyclomycin inhibition in <i>Escherichia</i>. Zwiefka A. et al. Biochemistry 1993, 32, 3564.</p>