



# Paromomycin [KLH] (DAG082S)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Nature</b>	Synthetic
<b>Expression System</b>	N/A
<b>Species</b>	N/A
<b>Conjugate</b>	KLH
<b>Applications</b>	ELISA, LF
<b>Format</b>	Liquid
<b>Concentration</b>	Please refer to the vial label for the specific concentration.
<b>Size</b>	1 mg
<b>Buffer</b>	Supplied in PBS
<b>Preservative</b>	None
<b>Storage</b>	Short Term: 2-8°C. Long Term: -20°C. Avoid multiple freeze-thaw cycles.
<b>Warnings</b>	For research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals.

## BACKGROUND

<b>Introduction</b>	<p>Paromomycin is an aminoglycoside antibiotic that is effective against Gram-negative and Gram-positive bacteria (MICs = 0.08-3.9 g/ml). It also has antiprotozoal properties and decreases the parasite burden of mice infected with the leishmanial strain <i>L. tropica</i> when administered at doses of 50 mg/kg and 15 mg/kg, through intramuscular or intralesional routes, respectively. Paromomycin binds to the tRNA decoding A site of the 16S ribosomal RNA in bacteria, inducing a conformational change that disrupts translation and inhibits protein synthesis.</p>
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**Keywords**

Catenulin; Aminosidine; monomycin; aminosidin; Paromomycin

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