



## Paromomycin [KLH] (DAG082S)

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

### PRODUCT INFORMATION

Species	N/A
Conjugate	KLH
Applications	ELISA, LF
Format	Liquid
Concentration	Please refer to the vial label for the specific concentration.
Size	1 mg
Buffer	Supplied in PBS
Preservative	None
Storage	Short Term: 2-8°C. Long Term: -20°C. Avoid multiple freeze-thaw cycles.

### BACKGROUND

**Introduction** Paromomycin is an aminoglycoside antibiotic that is effective against Gram-negative and Gram-positive bacteria (MICs = 0.08-3.9 µg/ml). It also has antiprotozoal properties and decreases the parasite burden of mice infected with the leishmanial strain L. tropica 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.

**Keywords** Catenulin; Aminosidine; monomycin; aminosidin; Paromomycin