



Citreoviridin [KLH] (DAG009S)

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

PRODUCT INFORMATION

Specificity	N/A
Species	N/A
Conjugate	KLH
Applications	ELISA, LFIA
Format	Liquid
Concentration	Batch dependent - please inquire should you have specific requirements.
Size	1 mg
Buffer	0.01M PBS, pH7.4
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	Citreoviridin is a mycotoxin isolated from several <i>Penicillium</i> species that has been shown to inhibit the mitochondrial ATP synthetase system. It inhibits soluble ATPase ($KD = 4.1 \mu M$), ADP stimulated respiration in isolated rat liver mitochondria ($KD = 0.15 \mu M$), and ATP-driven reduction of NAD^+ by succinate ($KD = 2 \mu M$). Citreoviridin has been used to target ectopic ATPase activity in cancer cells in order to modulate the metabolic activity associated with tumorigenesis.
Keywords	Citreoviridin; CIT; 25425-12-1; 2,5-anhydro-1,6-dideoxy-2-C-[(8-(4-methoxy-5-methyl-2-oxo-

