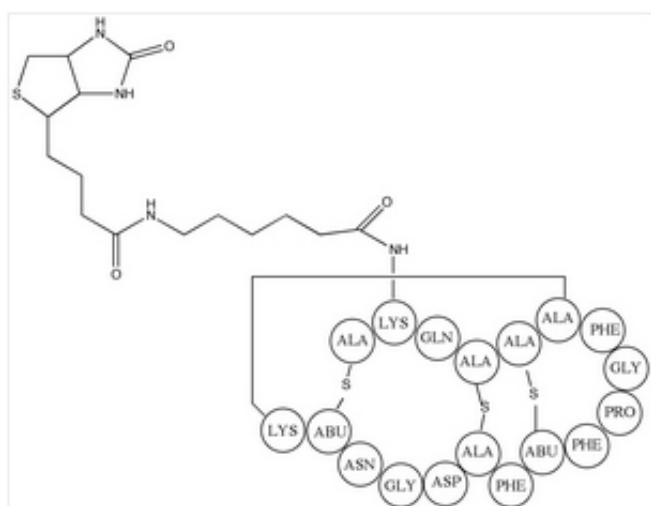


## Duramycin-LC-Biotin

### DESCRIPTION

Biotin is attached to amino groups of duramycin via a 6-carbon aminohexanoyl spacer. The conjugate contains 1 biotin molecule per duramycin molecule. Duramycin binds phosphatidylethanolamine (PE) at a 1:1 ratio with high affinity ( $K_d$  of 4-6 nM) and exclusive specificity.

Figure 1. Structure and physical properties of Duramycin-LC-Biotin



### PROPERTIES

Product Size: 1 ugrams/4.2 nmoles

Molecular Weight: 2352

Appearance: Colorless solid

### STORAGE/STABILITY

Solid as well as stock solutions in DMSO should be stored in the dark at -10 to 0°C.

### PRODUCT FORMULATION PROCEDURE

Add 212µL of a solution of 5% DMSO in water to the vial and pipet up and down to dissolve the solid and obtain a 200µM stock solution in water containing 5% DMSO.

### REFERENCES

- Stafford JH, Thorpe PE (2011). Increased Exposure of Phosphatidylethanolamine on the Surface of Tumor Vascular Endothelium. Neoplasia, 13, 4, 299-308

### ORDERING INFORMATION

Cat. #	Description	Size
25690	Duramycin-LC-Biotin	100µg / 42.5nm

### TO ORDER

In The U.S. Call: 1(800) 523-2575 • (215) 343-6484

In The U.S. Fax: 1(800) 343-3291 • (215) 343-0214

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