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## **TECHNICAL DATA SHEET 1017**

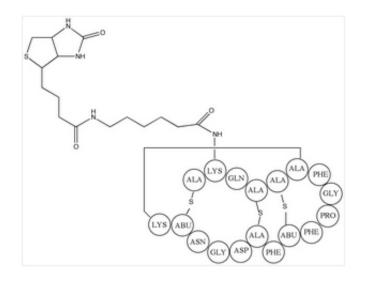
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# **Duramycin-LC-Biotin**

#### 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 212 $\mu$ L of a solution of 5% DMSO in water to the vial and pipet up and down to dissolve the solid and obtain a 200 $\mu$ M stock solution in water containing 5% DMSO.

#### REFERENCES

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

#### **ORDERING INFORMATION**

Cat. #	Description
25690	Duramycin-LC-Biotin

**Size** 100µg / 42.5nm

### **TO ORDER**

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