Duramycin-LC-Biotin Conjugate
Cat # D-1003

Product 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.
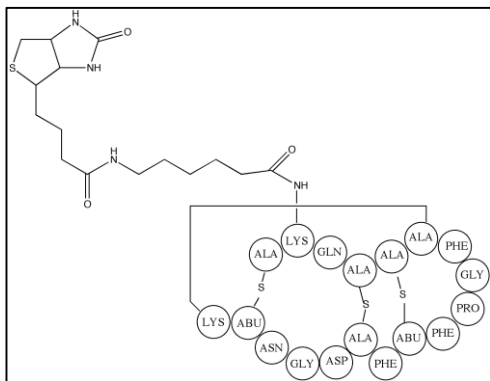
Properties of Duramycin-LC-Biotin: The structure and physical properties of the conjugate are shown in Fig 1 and Table 1 below.

Property	Specification
MW	2386
Appearance	Colorless film

Vial Ref: Polymers

Fig 1: The structure

Catalog #	Product Name	Size/Dose	Price (USD)
D-1003	Duramycin-LC-Biotin	100 ug ≈ 42 nmoles	$245.00

Product Formulation Procedure: Add 212uL of a solution of 5% DMSO in water to the vial and pipet up and down to dissolve the solid and obtain a 200uM stock solution in water containing 5% DMSO.

References:

- Stafford, JH, et al. (2011) *Increased Exposure of Phosphatidylethanolamine on the Surface of Tumor Vascular Endothelium* Neoplasia 13, 299-308.

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