

# Duramycin-LC-Fluorescein Conjugate

Cat # D-1001

**Product Description:** Fluorescein is attached to amino groups of duramycin via a 6-carbon aminohexanoyl spacer. The conjugate contains 1 fluorescein 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-Fluorescein:** The structure and physical properties of the conjugate are shown in Fig 1 and Table 1 below.

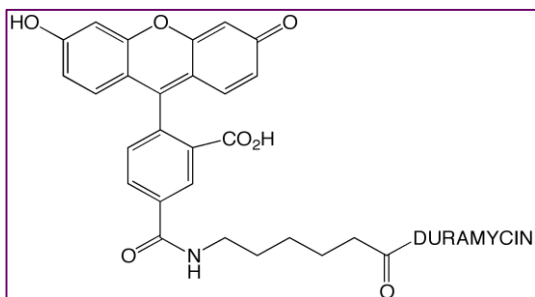


Fig 1: Chemical structure

| Property              | Specification |
|-----------------------|---------------|
| MW                    | 2,484         |
| FL: Ex max,<br>Em max | 495nm; 517nm  |
| Appearance            | Orange solid  |

Table 1: Properties

| Catalog # | Product Name             | Size/Dose          | Price (USD) |
|-----------|--------------------------|--------------------|-------------|
| D-1001    | Duramycin-LC-Fluorescein | 50nmoles/125ugrams | \$200.00    |

**Product Formulation Procedure:** Add 200uL of a solution of 5% DMSO in water to the vial and pipet up and down to dissolve the solid and obtain a 250uM stock solution in water containing 5% DMSO.

For further information or to place an order please contact Dr. Brian Gray by email: [briangray@mtarget.com](mailto:briangray@mtarget.com) or phone: 610-738-7938



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