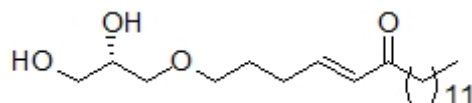


Name: _____

Organic I Lecture
Spring 2012
Quiz #2
(10 points)

1. The following component isolated from *Niphates digitalis*, a marine sponge, has shown strong activity against late stage prostate cancer (*J. Med. Chem.* **2012**, 503). Circle and name each different functional group in the compound below. (4 points)



2. What causes torsion strain? (1 points)
3. The following name is incorrect. Draw the structure and provide a correct systematic name for the structure. (2 points, problem 3-39e)
- 2-cyclohexylbutane
4. Siting down the C1-C2 bond, translate the following perspective structure into a Newman projection without changing the conformation. (3 points)

