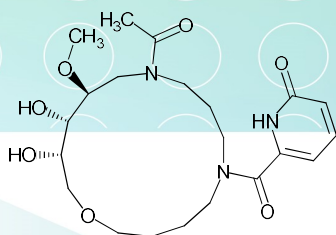


## SL-100. Glycomimetic Macrocycles for RNA-binding

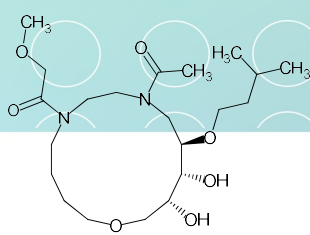
Carbohydrates are the most abundant natural products. They participate in metabolism and serve as structural building blocks. Carbohydrates are fundamental constituents of every cell surface, where they are involved in vital cellular recognition processes. Glycomimetics are designed to mimic the structure of natural carbohydrates and modulate their disease-related functions.

Glyco-macrocycles are an extremely interesting class of glycomimetics that occupy space between small and macro

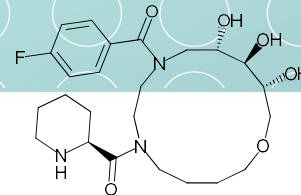
molecules. Glyco-macrocycles are mostly represented by naturally occurring molecules derived from marine microorganisms and bacterial or fungal metabolites [1-2]. Synthetic glycomimetic macrocycles represent an interesting chemical class for identification of RNA-binding ligands, due to their favorable properties rendering effective RNA-small molecule interaction [3].



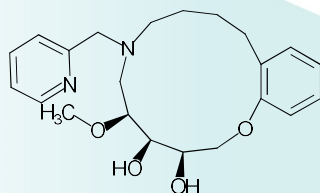
LAS 54561428



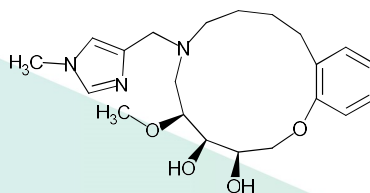
LAS 57285101



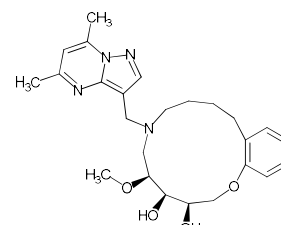
LAS 57285470



LAS 73527252



LAS 73527263



LAS 73533752

### Signature Library 100

Formats	Supplementary Information
80 compounds per plate 0.1 mg; 1 mg; 2 mg dry film/powder 0.1 $\mu$ mol; 1 $\mu$ mol DMSO solutions	SL#100_GlycoMacro_for_RNA_Binding.sdf

#### References:

1. *Nat Rev Drug Discov.* 2009 Aug;8(8):661-77. doi: 10.1038/nrd2852.
2. *Org Lett.* 2013 Feb 1;15(3):432-5. doi: 10.1021/ol3032297.
3. *Future Med Chem.* 2010 Jan;2(1):93-119. doi: 10.4155/fmc.09.149.

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