

## SL-16. Glycomimetic Macrocycles-2

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 function.

Glyco-macrocycles are an extremely interesting class of glycomimetics as they 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. Synthetic glycomacrocyles demonstrate antiangiogenesis activity with potential for anti-cancer therapy [1,2].

ASINEX Glyco-macrocycles-2 library is complementary to Glycomacrocycles-1 Library (ref. SL-08) as it contains more hydrophobic molecules (av. cLogP 2.5) than Glycomacrocycles-1 (av. cLogP -0.5).



## Signature Library 16

Formats	Supplementary Information
80 compounds per plate	SL#16_Glycomacrocycles-21_05-16.sdf
0.1 mg; 1 mg; 2 mg dry film/powder	
0.1 µmol; 1 µmol DMSO solutions	

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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.

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