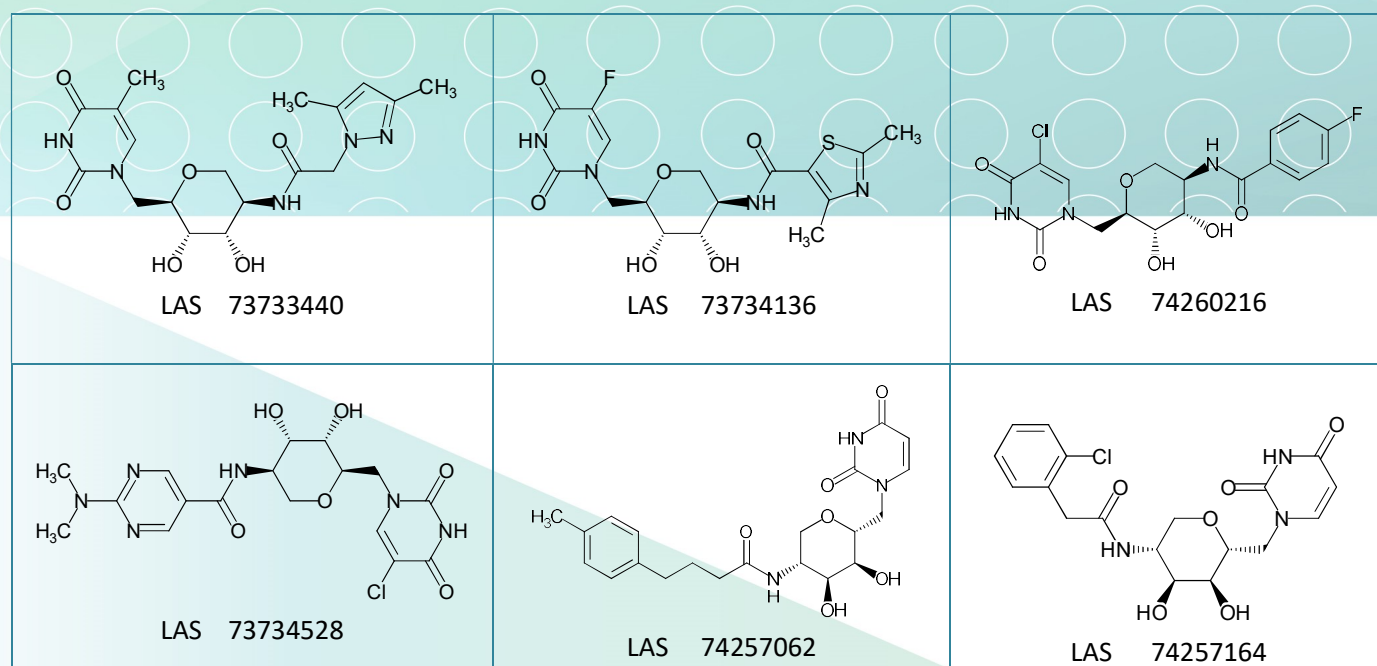


SL-99. Pyrimidine-based Nucleosides

Nucleoside mimetics are the class of small molecule drugs with antitumor, antiviral, and antibacterial activity [1]. Alterations in the base or sugar moieties can lead to significant changes in pharmacokinetic and pharmacodynamic properties of these molecules. Many convenient synthetic methods have been developed for modification of naturally occurring nucleosides, but synthetic analogs would require non-conventional approaches involving stereo- and enantio-

selective reactions. In this library, a variety of pyrimidine nucleobases was linked to a number of synthetic glycomimetic cores, followed by modifications of the terminal amino group. The resulting nucleoside mimetic molecules do not have a glycosidic linkage which may be beneficial for optimizing metabolic properties.



Signature Library 99

Formats	Supplementary Information
80 compounds per plate 0.1 mg; 1 mg; 2 mg dry film/powder 0.1 μ mol; 1 μ mol DMSO solutions	SL#99_Pyrimidine_Nucleosides.sdf

References:

1. *Nat Rev Drug Discov.* 2013 Jun;12(6):447-64. doi: 10.1038/nrd4010.

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