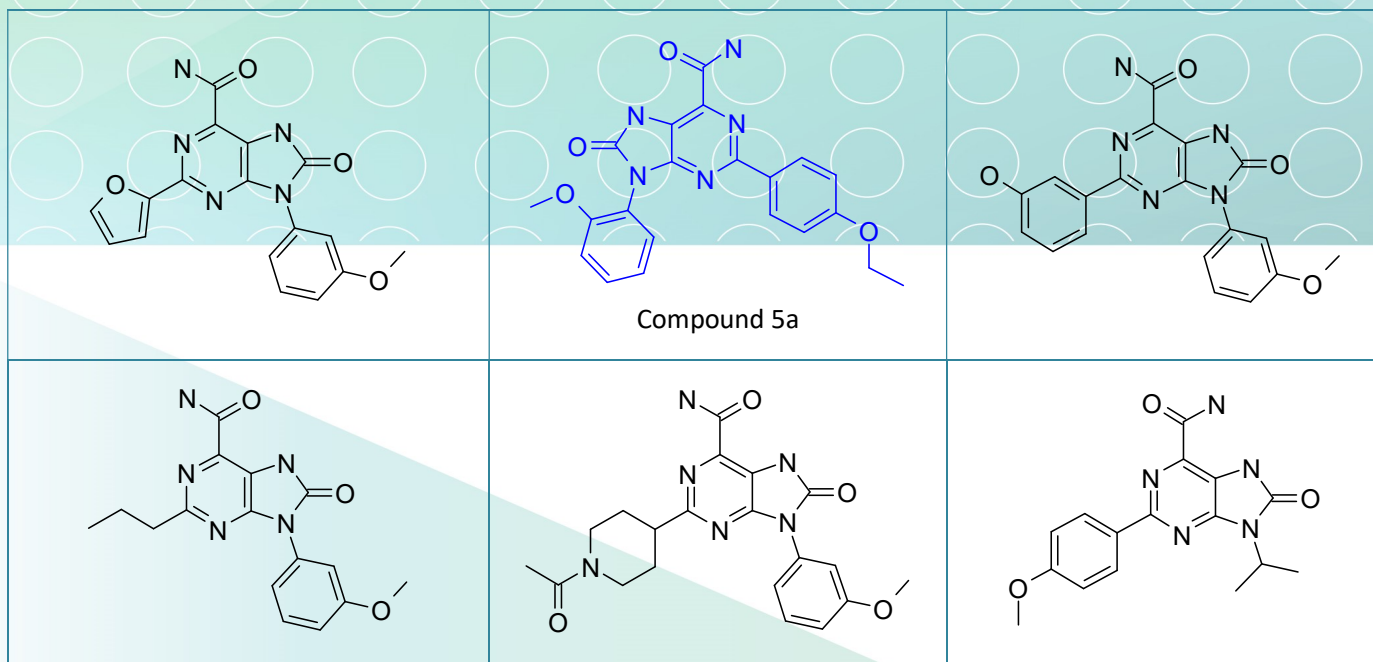


SL-53. Katanin Inhibitors

Katanin is the microtubule-severing ATPase which plays an important role in mitosis and neural development [1]. Microtubule targeting agents (MTAs) have been long considered to be a promising class of drugs for cancer treatment [2]. Purine-based compounds (for example, **Compound 5a**) have recently been shown to be effective inhibitors of katanin in certain lung cancer models [1]. Direct

inhibitors of katanin might overcome the resistance problems that most MTAs have faced.

A 2D similarity search through ASINEX's compound collection identified several close analogs of known katanin inhibitors that could be interesting for katanin-related research and MTA drug discovery.



Signature Library 53

Formats	Supplementary Information
80 compounds per plate 0.1 mg; 1 mg; 2 mg dry film/powder 0.1 μmol; 1 μmol DMSO solutions	SL#53_Katanin.sdf

References:

1. J. Med. Chem. (2016), doi: 10.1021/acs.jmedchem.6b00797
2. Journal of Cell Science 125 (2012), 2561–2569. doi: 10.1242/jcs.101139

Contact us:

USA: +1 336 721 1617
Japan: +81-80-3401-9097
Europe/Global:

mparisi@asinex.com
sota@asinex.com
lsadovenko@asinex.com