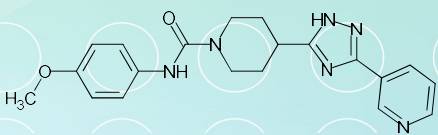
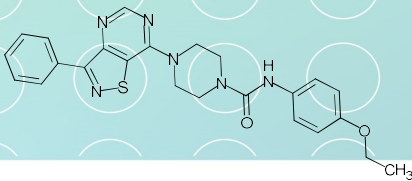
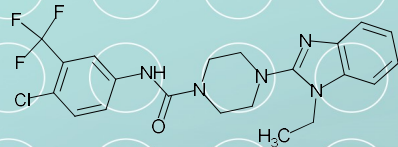
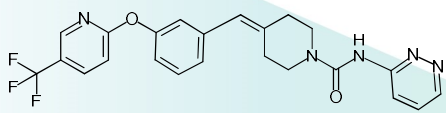
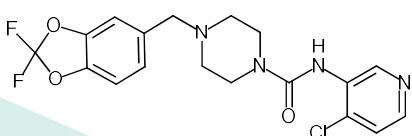
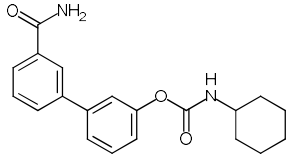


## SL-91. Fatty Acid Amide Hydrolase Inhibitors

Fatty acid amide hydrolase (FAAH) is a serine hydrolase enzyme responsible for the conversion of the endocannabinoids [1]. Endocannabinoids are involved in a variety of biological functions through modulation of CB1 cannabinoid receptors in the central nervous system, and CB2 cannabinoid receptors in the peripheral nervous system.

Synthetic inhibitors of FAAH have been explored as promising candidates for the treatment of several disease

conditions including pain, inflammation and mood disorders [2]. Several promising chemical series such as carbamates and arylureas, have been optimized and moved into clinical trials [3]. Analogs of the reported clinical candidates were included into this library.

		
ADM 10370825	ASN 06352989	ASN 06354709
		
PF-04457845	JNJ-42165279	URB597

### Signature Library 91

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#91_FAAH_inh.sdf

### References:

1. *Int J Clin Pharmacol Ther.* 2016 Jul; 54(7): 498–501. doi: 10.5414/CP202687
2. *Proc Natl Acad Sci U S A.* 2011 May 3;108(18):7379-84. doi: 10.1073/pnas.1016167108.
3. *Expert Opin Ther Pat.* 2015;25(11):1247-66. doi: 10.1517/13543776.2015.1067683

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