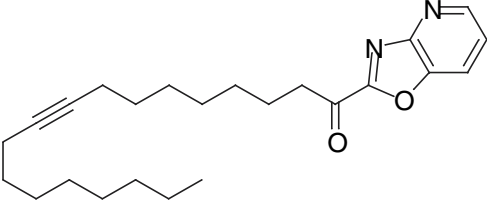
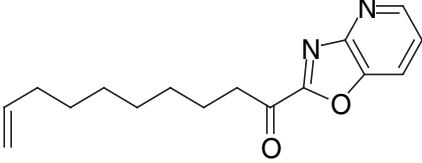
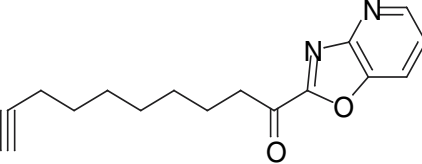
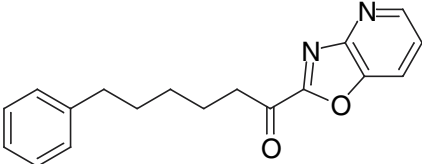
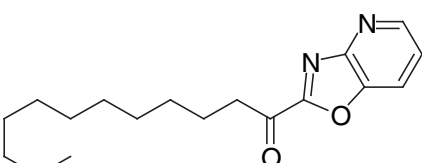
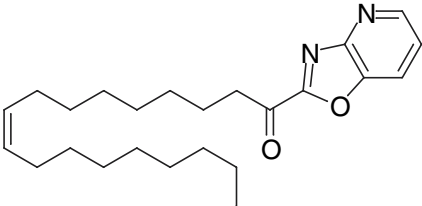
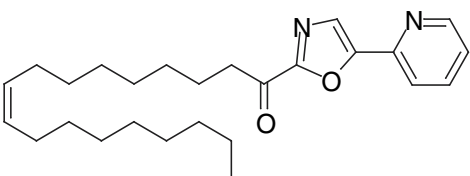
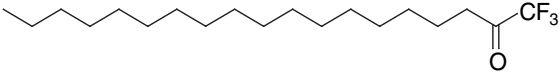
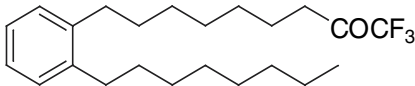
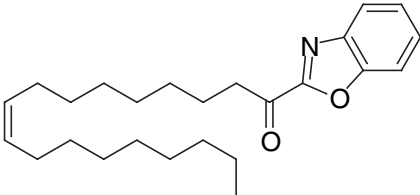
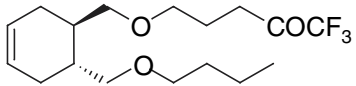
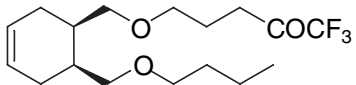
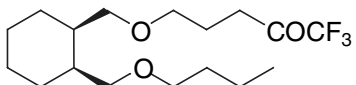
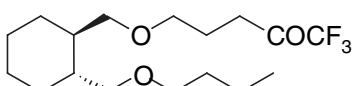
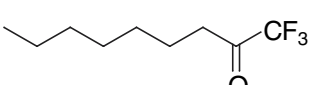
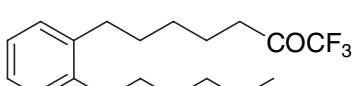
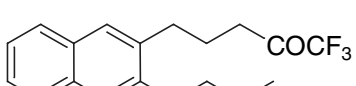
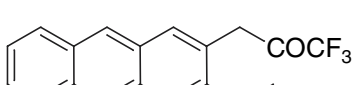
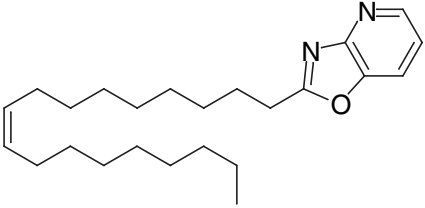
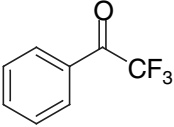
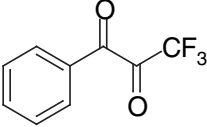
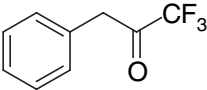
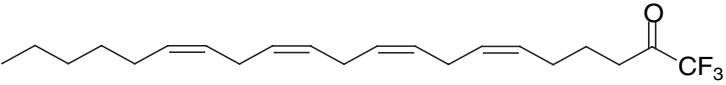


**Supplementary Table 1.** Complete list of IC<sub>50</sub> values calculated by ABPP for the inhibitor library versus FAAH, KIAA1363, and TGH. *K<sub>i</sub>* values listed for FAAH are taken from ref. 13 and 14.

	Compound	<i>K<sub>i</sub></i> (nM)	IC <sub>50</sub> [nM (95% confidence limits)]		
		FAAH	FAAH	KIAA1363	TGH
1		0.14	2.6 (1.5-4.5)	22000 (8600-56000)	480 (320-720)
2		0.15	0.98 (0.65-1.5)	65000 (30000-140000)	0.40 (0.29-0.56)
3		0.18	1.4 (1.0-2.1)	93000 (40000-200000)	0.63 (0.61-0.65)
4		0.2	1.1 (0.72-1.7)	>100000	1.4 (1.1-1.9)
5		0.57	0.81 (0.56-1.1)	50000 (21000-120000)	83 (69-100)
6		2.3	44 (31-62)	62000 (23000-160000)	1400 (880-2400)
7		18	150 (84-280)	>100000	>100000

8		25	2200 (1300-3600)	210 (170-270)	4.5 (1.4-14)
9		82	4500 (3100-6500)	1100 (730-1500)	4800 (1900-12000)
10		96	6700 (4300-10000)	480 (270-850)	2200 (610-8200)
11		100	5500 (3400-8800)	170 (110-280)	0.9 (0.4-2.0)
12		100	2300 (1500-3500)	>100000	9300 (4000-21000)
13		130	2300 (1500-3600)	>100000	>100000
14		130	9900 (6900-14000)	390 (240-610)	14 (7.3-25)
15		140	11000 (6200-21000)	470 (320-690)	61 (47-79)
16		140	1500 (990-2300)	940 (540-1600)	1600 (660-3800)
17		170	6500 (3900-11000)	2400 (1300-4200)	1700 (770-3800)
18		170	5300 (3300-8300)	770 (570-1100)	0.47 (0.10-2.2)

19		240	6400 (2300-18000)	6600 (3300-13000)	4600 (800-26000)
20		320	9800 (4600-21000)	3900 (1700-8700)	6600 (1900-23000)
21		370	10000 (4400-24000)	>100000	13000 (4800-34000)
22		440	12000 (7000-19000)	260 (170-380)	250 (170-360)
23		570	12000 (6300-24000)	89 (69-110)	280 (190-430)
24		780	13000 (6400-27000)	71 (42-120)	170 (120-260)
25		1200	15000 (8100-28000)	52 (38-71)	320 (230-450)
26		1200	30000 (19000-48000)	1500 (1300-1700)	1.8 (1.0-3.1)
27		2800	19000 (8700-42000)	290 (99-820)	970 (540-1800)
28		4400	37000 (16000-84000)	110 (86-150)	160 (86-310)
29		>100000	>100000	15000 (5000-44000)	3500 (1900-6300)

30		>100000	>100000	>100000	>100000
31		NA	>100000	11000 (8300-15000)	2.1 (1.1-3.7)
32		NA	>100000	26000 (17000-41000)	1400 (450-4500)
33		NA	>100000	>100000	11 (5.2-23)
34		NA	8800 (5600-14000)	3000 (2000-4500)	1800 (1300-2500)

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