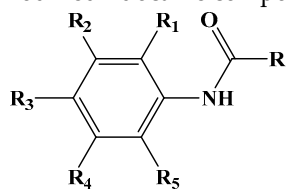


Table S1. Structures of synthesized modified lidocaine compounds.



Compound (M.Wt.)	R	R ₁	R ₂	R ₃	R ₄	R ₅
EI 137	<i>p</i> -Chlorophenyl	CH ₃	H	H	H	CH ₃
EI 203	n-Hexyl	CH ₃	CH ₃	H	H	H
EI 212	Cyclopropyl	CH ₃	CH ₃	H	H	H
EI 215	Cyclohexyl	CH ₃	CH ₃	H	H	H
EI 221	Phenyl	CH ₃	CH ₃	H	H	H
EI 227	<i>p</i> -Nitrophenyl	CH ₃	CH ₃	H	H	H
EI 228	<i>o</i> -Nitrophenyl	CH ₃	CH ₃	H	H	H
EI 234	<i>p</i> -Hydroxyphenyl	CH ₃	CH ₃	H	H	H
EI 301	n-Pentyl	CH ₃	H	CH ₃	H	H
EI 305	C ₁₇ H ₃₅	CH ₃	H	CH ₃	H	H
EI 306	C ₁₅ H ₃₁	CH ₃	H	CH ₃	H	H
EI 321	Phenyl	CH ₃	H	CH ₃	H	H
EI 327	<i>p</i> -Nitrophenyl	CH ₃	H	CH ₃	H	H
EI 328	<i>o</i> -Nitrophenyl	CH ₃	H	CH ₃	H	H
EI 337	<i>p</i> -Chlorophenyl	CH ₃	H	CH ₃	H	H
EI 341	<i>o</i> -Chlorophenyl	CH ₃	H	CH ₃	H	H
EI 401	n-Butyl	CH ₃	H	H	CH ₃	H
EI 405	C ₁₇ H ₃₅	CH ₃	H	H	CH ₃	
EI 412	Cyclopropyl	CH ₃	H	H	CH ₃	H
EI 427	<i>p</i> -Nitrophenyl	CH ₃	H	H	CH ₃	H
EI 428	<i>o</i> -Nitrophenyl	CH ₃	H	H	CH ₃	H
EI 435	<i>o</i> -Hydroxyphenyl	CH ₃	H	H	CH ₃	H
EI 502	n-Butyl	CH ₃	H	H	CH ₃	H
EI 503	n-Hexyl	H	CH ₃	CH ₃	H	H
EI 505	C ₁₇ H ₃₅	H	CH ₃	CH ₃	H	H
EI 506	C ₁₅ H ₃₁	H	CH ₃	CH ₃	H	H
EI 521	Phenyl	H	CH ₃	CH ₃	H	H
EI 522	2-Methylpropyl	H	CH ₃	CH ₃	H	H
EI 528	<i>o</i> -Nitrophenyl	H	CH ₃	CH ₃	H	H
EI 615	Cyclohexyl	H	CH ₃	CH ₃	H	H
EI 627	<i>p</i> -Nitrophenyl	H	CH ₃	H	CH ₃	H
EI 628	<i>o</i> -Nitrophenyl	H	CH ₃	H	CH ₃	H
EI 636	2-Hydroxy-4-chlorophenyl	H	CH ₃	H	CH ₃	H
EI 637	<i>p</i> -Chlorophenyl	H	CH ₃	H	CH ₃	H
EI 641	<i>o</i> -Chlorophenyl	H	CH ₃	H	CH ₃	H

Table S2. Yields, melting points, and spectral data of the synthesized compounds.

4-Chloro-N-(2,6-dimethylphenyl)benzamide (EI137)

Yield : 20 %

MP: 175-177°C (Reported 174-176 °C)

¹H NMR (90 MHz, CDCl₃, δ ppm): 2.35 (s, 6H, (CH₃)₂ C₆H₃), 6.80-7.85 (m, 8H, C₆H₃, C₆H₄ & NH).

N-(2,3-dimethylphenyl)heptanamide (EI203)

Yield: 55%;

MP: 86.5 – 87°C

¹³C NMR (100 MHz, DMSO, δ ppm): 14.40 (CH₃-CH₂-), 20.63, 22.51, 25.80, 28.82 (CH₃-(CH₂)₄-), 36.17 (CO-CH₂-), 124.18, 125.54, 127.22, 131.64, 136.73, 137.28 (Aryl Carbons), 171.65 (CO-NH).

CHN analysis: Found/Calcd: C, 77.40; H, 10.14; N, 5.87 (C, 77.21; H, 9.93; N, 6.00)

N-(2,3-dimethylphenyl)cyclopropanecarboxamide (EI212)

Yield: 19%;

MP: 138 - 140°C;

¹H NMR (90 MHz, CDCl₃, δ ppm): 0.60-0.90 (m, 2H, CHHCHHCHCO), 0.90-1.30 (m, 2H, CHHCHHCHCO), 1.30-1.80 (m, 1H, COCH), 2.10 (s, 3H, 2-CH₃C₆H₃), 2.25 (s, 3H, 3-CH₃C₆H₃), 6.70-7.50 (m, 4H, C₆H₃ & NH).

¹³C NMR (100 MHz, DMSO, δ ppm): 14.35, 14.47 (CH₂)₂, 20.65, (CO-CH₂-), 123.91, 125.55, 127.12, 131.34, 136.74, 137.29 (Aryl Carbons), 172.07 (CO-NH).

CHN analysis: C, 76.48; H, 8.15; N, 7.65 (C, 76.16; H, 7.99; N, 7.40)

N-(2,3-dimethylphenyl)cyclohexanecarboxamide (EI215)

Yield: 40 %

MP: 161 – 164°C (Reported 162-163°C)

¹H NMR (60 MHz, CDCl₃, δ ppm): 1.06-2.20 (m, 10H, (CH₂)₅), 2.26 (s, 3H, 2-CH₃C₆H₃), 2.43 (s, 3H, 3-CH₃C₆H₃), 2.30-2.53 (m, 1H, COCH), 6.86-7.60 (m, 4H, C₆H₃ & NH).

N-(2,3-dimethylphenyl)benzamide (EI221)

Yield : 98 %

MP: 189-191°C (CAS NO 3096-94-4)

¹H NMR (60 MHz, CDCl₃, δ ppm): 2.66 (s, 3H, 2-CH₃C₆H₃), 2.80 (s, 3H, 3-CH₃C₆H₃), 7.40-8.53 (m, 9H, (CH₃)₂C₆H₃, C₆H₅ & NH).

N-(2,3-dimethylphenyl)-4-nitrobenzamide (EI227)

Yield%: 20 %

MP: 207 – 209°C CAS Registry Number 35709-76-3

¹H NMR (60 MHz, CDCl₃, δ ppm): 2.33 (s, 3H, 2-CH₃C₆H₃), 2.46 (s, 3H, 3-CH₃C₆H₃), 7.10-7.80 (m, 4H, (CH₃)₂C₆H₃ & NH), 7.96-8.43 (dd, 4H, 4-NO₂C₆H₄).

N-(2,3-dimethylphenyl)-2-nitrobenzamide (EI228)

Yield: 16%

MP: 178°C (Reported 177 – 179°C)

¹H NMR (60 MHz, CDCl₃, δ ppm): 2.20 (s, 3H, 2-CH₃C₆H₃), 2.35 (s, 3H, 3-CH₃C₆H₃), 6.90-7.70 (m, 7H, (CH₃)₂C₆H₃ & 2-NO₂C₆H₄), 7.90-8.10 (s, 1H, NH).

4-Hydroxy-N-(2,3-dimethylphenyl)benzamide (EI234)

Yield: 26 %

MP: 150 – 152°C CAS Registry Number 459419-70-6

¹H NMR (60 MHz, CDCl₃, δ ppm): 2.26 (s, 3H, 2-CH₃C₆H₃), 2.36 (s, 3H, 3-CH₃C₆H₃), 6.90-8.10 (m, 9H, (CH₃)₂C₆H₃ & 4-OHC₆H₄, OH & NH).

¹³C NMR (100 MHz, DMSO, δ ppm): 65.85 (CH₃)₂C₆H₃), 121.79, 125.18, 125.74, 128.09, 129.71, 132.83, 133.22, 136.61, 137.49, 153.12 (Aryl Carbons), 164.99 (C=O-NH).

N-(2,4-dimethylphenyl)hexanamide (EI301)

Yield: 26%

MP: 101-102°C CAS Registry Number 324067-84-7

¹H-NMR (400 MHz, CDCl₃, δ ppm): 0.82-0.85 (t, 3H, CH₂CH₃), 1.27-1.89 (m, 4H, (CH₂)₂CH₃), 1.63-1.66 (m, 2H, CH₂CH₂CO), 2.12 (s, 3H, 2-CH₃C₆H₃), 2.20 (s, 3H, 4-CH₃C₆H₃), 2.26- 2.30 (t, 2H, COCH₂), 6.91 (m, 2H, C₆H₃), 6.98 (Hump, H, NH), 6.46-6.48 (m, 1H, C₆H₃).

¹³C-NMR (101 MHz, CDCl₃, δ ppm): 14.00, 17.80, 20.90, 22.47, 24.66, 31.49, 37.51, 123.83, 127.51, 129.77, 131.12, 133.02, 135.00.

N-(2,4-dimethylphenyl)stearamide (EI305)

Yield: 30%;

MP: 83.5 – 85°C;

¹H NMR (90 MHz, CDCl₃, δ ppm): 0.95 (t, 3H, CH₂CH₃), 1.1-1.9 (m, 30H, (CH₂)₁₅CH₃), 2.15 (s, 3H, 2-CH₃C₆H₃), 2.25 (s, 3H, 4-CH₃C₆H₃), 2.3 (t, 2H, COCH₂), 6.80-7.20 (m, 3H, C₆H₃), 7.30-7.50 (br s, 1H, NH).

Elemental analyses calculated for C₂₆H₄₅NO C, 80.56; H, 11.7; N, 3.61. Found C, 80.72; H 11.89; N 3.88.

N-(2,4-dimethylphenyl)palmitamide (EI306)

Yield: 28.5%;

MP: 99 – 102°C;

¹H NMR (90 MHz, CDCl₃, δ ppm): 0.85 (t, 3H, CH₂CH₃), 1.10-1.90 (m, 26H, (CH₂)₁₃CH₃), 2.20 (s, 3H, 2-CH₃C₆H₃), 2.25 (s, 3H, 4-CH₃C₆H₃), 2.30 (t, 2H, COCH₂), 6.70-7.20 (m, 3H, C₆H₃), 7.35-7.55 (br s, 1H, NH).

Elemental analyses calculated for C₂₄H₄₁NO C, 80.16; H, 11.49; N, 3.9. Found C, 80.43; H 11.65; N 4.11.

N-(2,4-dimethylphenyl)benzamide (EI321)

Yield: 98%;

MP: 186-189°C; (reported 193-194°C)

¹H NMR (60 MHz, CDCl₃, δ ppm): 2.33 (s, 3H, 2-CH₃C₆H₃), 2.36 (s, 3H, 4-CH₃C₆H₃), 6.86-8.10 (m, 9H, C₆H₅, C₆H₅, NH).

N-(2,4-dimethylphenyl)-4-nitrobenzamide, (EI327)

Yield: 28%;

MP: 166-169°C

¹H NMR (90 MHz, CDCl₃, δ ppm): 2.17 (s, 3H, 2-CH₃C₆H₃), 2.25 (s, 3H, 4-CH₃C₆H₃), 7.15-7.88 (m, 4H, (CH₃)₂C₆H₃ & NH), 7.99-8.53 (dd, 4H, 4-NO₂C₆H₄).

N-(2,4-dimethylphenyl)-2-nitrobenzamide, (EI328)

Yield: 25 %;

MP: 161-162°C (Reported 161-163°C)

¹H NMR (90 MHz, CDCl₃, δ ppm): 2.15 (s, 3H, 2-CH₃C₆H₃), 2.23 (s, 3H, 4-CH₃C₆H₃), 7.10-7.90 (m, 4H, (CH₃)₂C₆H₃ & NH), 7.97-8.55 (dd, 4H, 4-NO₂C₆H₄).

N-4-chloro-N-(2,4-dimethylphenyl)benzamide (EI337)

Yield: 20%;

MP: 167-8°C

¹H NMR (90 MHz, CDCl₃, δ ppm): 2.18 (s, 3H, 2-CH₃C₆H₃), 2.27 (s, 3H, 5-CH₃C₆H₃), 6.80-7.20 (m, 3H, C₆H₃), 7.50-7.60 (br s, 1H, NH), 7.30-7.80 (dd, 4H, C₆H₄)

N-2-chloro-N-(2,4-dimethylphenyl)benzamide (EI341)

Yield: 46.5%;

MP: 163-165°C

¹H NMR (60 MHz, CDCl₃, δ ppm): 2.20 (s, 6H, (CH₃)₂), 6.90-8.00 (m, 8H, (CH₃)₂C₆H₃, 2-ClC₆H₄ & NH).

N-(2,5-dimethylphenyl)pentanamide (EI401)

Yield: 35.0%;

MP: 129.5°C;

¹H NMR (90 MHz, CDCl₃, δ ppm): 0.90 (t, 3H, CH₂CH₃), 1.10-1.90 (m, 4H, CH₂CH₂CH₃), 2.18 (s, 3H, 2-CH₃C₆H₃), 2.35 (s, 3H, 5-CH₃C₆H₃), 2.35 (t, 2H, COCH₂), 6.70-7.30 (m, 3H, C₆H₃), 7.40-7.60 (br s, 1H, NH).

N-(2,5-dimethylphenyl)stearamide (EI405)

Yield: 16.5%;

MP: 187.5°C;

¹H NMR (90 MHz, CDCl₃, δ ppm): 0.90 (t, 3H, CH₂CH₃), 1.10-2.00 (m, 30H, (CH₂)₁₅CH₃), 2.20 (s, 3H, 2-CH₃C₆H₃), 2.33 (s, 3H, 5-CH₃C₆H₃), 2.40 (t, 2H, COCH₂), 6.70-7.23 (m, 3H, C₆H₃), 7.43-7.66 (brs, 1H, NH).

N-(2,5-dimethylphenyl)cyclopentanecarboxamide (EI412)

Yield: 25.3 %;

MP: 169-170°C;

¹H-NMR (400 MHz, CDCl₃, δ ppm): 0.856-0.865(m, 3H, (CH₂)₄-cyclopentane), 1.088-1.12(m, 3H, (CH₂)₄-cyclopentane), 1.55(m, 2H, (CH₂)₄-cyclopentane), 1.9(m, 1H, CHCO), 2.26 (s, 3H, (CH₃)C₆H₃), 2.32(s, 3H, (CH₃)C₆H₃), 6.88-7.03 (m, 2H, C₆H₃), 7.123((Hump, 1H, NH), 7.69 (m, 1H, C₆H₃).

¹³C-NMR (101 MHz, CDCl₃, δ ppm): 7.89, 15.61, 17.38, 21.11, 123.52, 125.39, 125.60, 130.19, 135.70, 136.45, 171.89.

Elemental analyses calculated for C₁₄H₁₉NO C, 77.38; H, 8.81; N, 6.45. Found C 76.4, H 8.16, N 7.68

N-(2,5-dimethylphenyl)-4-nitrobenzamide (EI427)

Yield: 15 %

MP: 117-8°C

¹H NMR (90 MHz, CDCl₃, δ ppm): 2.33 (s, 3H, 2-CH₃C₆H₃), 2.40 (s, 3H, 5-CH₃C₆H₃), 7.18-7.92 (m, 4H, (CH₃)₂C₆H₃ & NH), 8.10-8.73 (dd, 4H, 4-NO₂C₆H₄).

N-(2,5-dimethylphenyl)-2-nitrobenzamide, (EI428)

Yield: 15 %

MP: 175-6°C (Reported MP 173 – 175)

¹H NMR (90 MHz, CDCl₃, δ ppm): 2.36 (s, 3H, 2-CH₃C₆H₃), 2.46 (s, 3H, 5-CH₃C₆H₃), 6.90-7.43 (m, 3H, (CH₃)₂C₆H₃), 7.50-7.86 (m, 4H, 2-NO₂C₆H₄), 8.03-8.23 (br s, 1H, NH).

N-(2,5-dimethylphenyl)-2-hydroxybenzamide (EI435)

Yield: 25 %

MP: 95°C (reported 164°C)

¹H NMR (90 MHz, CDCl₃, δ ppm): 2.26 (s, 3H, 2-CH₃C₆H₃), 2.40 (s, 3H, 5-CH₃C₆H₃), 6.23-6.43 (br s, 1H, OH), 6.73-7.66 (m, 8H, (CH₃)₂C₆H₃, 2-OHC₆H₄ & NH).

N-(3,4-dimethylphenyl)pentanamide (EI502)

Yield: 20%

MP: 107 -109°C (reported MP: 109.5–110°C)

¹H NMR (90 MHz, CDCl₃, δ ppm): 0.93 (t, 3H, (CH₂CH₃), 1.18-1.88 (m, 6H, CH₂CH₂CH₂CH₃), 2.25 (s, 6H, (CH₃)₂C₆H₃), 2.36 (t, 2H, COCH₂), 6.79-7.28 (m, 3H, C₆H₃), 7.48-7.67 (br s, 1H, NH).

N-(3,4-dimethylphenyl) heptamide (EI503)

Yield: 16%

MP: 116 -119°C

¹H NMR (90 MHz, CDCl₃, δ ppm): 0.83 (t, 3H, CH₂CH₃), 1.15-1.85 (m, 8H, (CH₂)₄CH₃), 2.24 (s, 6H, (CH₃)₂C₆H₃), 2.30 (t, 2H, COCH₂), 7.20 (s, 2H, o-C₆H₃), 7.25 (s, 1H, p-C₆H₃), 7.27 (hump, 1H, NH).

N-(3,4-dimethylphenyl) stearamide (EI505)

Yield: 63.0 %;

MP: 83.9°C

¹H NMR (400 MHz, CDCl₃, δ ppm): 0.95 (t, 3H, (CH₂)₁₆CH₃), 1.32-1.34 (m, 28H, (CH₂(CH₂)₁₄CH₃), 1.67-1.76 (m, 2H, COCH₂CH₂), 2.23 (d, 6H, C₆H₃-(CH₃)₂), 2.32 (t, 2H, COCH₂), 7.18 (s, 2H, o-C₆H₃), 7.28 (s, 1H, p-C₆H₃), 7.29 (hump, 1H, NH).

Anal Calcd: C, 80.56; H, 11.70; N, 3.61. Found: 80.74, 11.98, 3.88

MS (ES) *m/z* 377.38[M+1]⁺

N-(3,4-dimethylphenyl)palmitamide (EI506)

MP: 88°C

Yield: 76 %.

¹H NMR (90 MHz, CDCl₃, δ ppm): 0.92 (t, 3H, CH₂CH₃), 1.12-2.08 (m, 26H, (CH₂)₁₃CH₃), 2.21 (s, 6H, (CH₃)₂C₆H₃), 2.36 (t, 2H, COCH₂), 6.66-7.16 (m, 3H, C₆H₃), 7.33-7.60 (brs, 1H, NH).

Anal Calcd: C, 80.16; H, 11.49; N, 3.90. Found: 79.87, 11.63, 4.13

N-(3,4-dimethylphenyl)benzamide (EI521)

Yield: 98 %;

MP: 187-190 °C; (CAS NO 27285-18-3)

¹H NMR (60 MHz, CDCl₃, δ ppm): 2.20 (s, 6H, (CH₃)₂C₆H₃), 6.90-8.16 (m, 9H, (CH₃)₂C₆H₃, C₆H₅ & NH).

3-Methyl-N-(3,4-dimethylphenyl)butanamide (EI522)

Yield: 76.5 %;

MP: 90-91°C; (CAS NO 349423-12-7)

¹H-NMR (90 MHz, CDCl₃, δ ppm): 0.80-1.30 (m, 1H, CH(CH₃)₂), 0.96 (d, 6H, CH(CH₃)₂), 2.16 (d, 2H, COCH₂), 2.20 (s, 6H, C₆H₃(CH₃)₂), 6.83-7.36 (m, 4H, C₆H₃ & NH).
Anal Calcd: C, 76.06; H, 9.33; N, 6.82. Found: 76.34, 9.50, 6.96
MS (ES) *m/z* 377.38[M+1]⁺

N-(3,4-dimethylphenyl)-2-nitrobenzamide (EI528)

Yield: 16.0 %;

MP: 153-155°C

IR (ν cm⁻¹, KBr): 3268 (NH), 1655 (C=O);

¹H NMR (90 MHz, CDCl₃, δ ppm): 2.20 (s, 6H, C₆H₃(CH₃)₂), 6.80-8.00 (m, 8H, C₆H₃, C₆H₄ & NH).

N-(3,5-dimethylphenyl)cyclohexanecarboxamide (EI615)

Yield: 30 %.

MP: 155°C; (CAS NO 315712-18-6)

¹H NMR (60 MHz, CDCl₃, δ ppm): 1.10-2.23 (m, 10H, (CH₂)₅), 2.36 (s, 6H, (CH₃)₂), 2.40-2.66 (m, 1H, COCH), 6.70-6.86 (br s, 1H, NH), 7.13-7.46 (m, 3H, C₆H₃).

Anal Calcd: C, 77.88; H, 9.15; N, 6.05, Found: 78.13, 9.29, 6.31

MS (ES) *m/z* 219.34 [M+1]⁺

N-(3,5-dimethylphenyl)-4-nitrobenzamide (EI 627)

Yield : 22 %

MP: 175-177°C

¹H NMR (90 MHz, CDCl₃, δ ppm): 2.38 (s, 6H, (CH₃)₂), 7.15-7.88 (m, 4H, (CH₃)₂C₆H₃ & NH), 7.99-8.53 (dd, 4H, 4-NO₂C₆H₄).

N-(3,5-dimethylphenyl)-2-nitrobenzamide (EI 628)

Yield : 17.6%

MP: 165.5-167°C

¹H NMR (90 MHz, CDCl₃, δ ppm): 2.37 (s, 6H, (CH₃)₂), 6.90-7.43 (m, 3H, (CH₃)₂C₆H₃), 7.50-7.86 (m, 4H, 2-NO₂C₆H₄), 8.06-8.28 (br s, 1H, NH).

4-chloro-2-hydroxy-N-(3,5-dimethylphenyl)benzamide (EI 636)

Yield : 12%

MP: 208-210.5°C

¹H NMR (90 MHz, CDCl₃, δ ppm): 2.36 (s, 6H, (CH₃)₂C₆H₃), 6.55-7.96 (m, 8H, (CH₃)₂C₆H₃, 2-OHC₆H₄, OH & NH).

4-chloro-N-(3,5-dimethylphenyl)benzamide (EI 637)

Yield: 75 %;

MP: 144-145°C; (reported MP 130-133°C)

¹H NMR (60 MHz, CDCl₃, δ ppm): 2.33 (s, 6H, (CH₃)₂C₆H₃), 6.66-6.90 (br s, 1H, NH), 6.93-8.33 (m, 7H, C₆H₄ & C₆H₃).

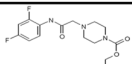
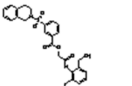
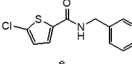
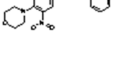
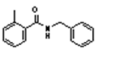
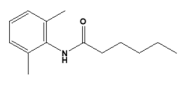
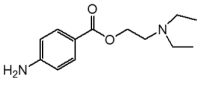
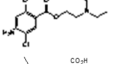
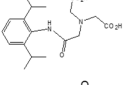
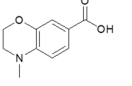
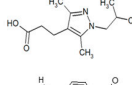
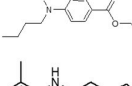
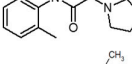
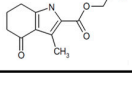
2-chloro-N-(3,5-dimethylphenyl)benzamide (EI 641)

Yield : 17%

MP: 137-139°C

^1H NMR (60 MHz, CDCl_3 , δ ppm): 2.36 (s, 6H, $(\text{CH}_3)_2\text{C}_6\text{H}_3$), 7.00-7.93 (m, 8H, $(\text{CH}_3)_2\text{C}_6\text{H}_3$, 2- ClC_6H_4 & NH).

Table S3. Training set for pharmacophore building.

Test set		IC_{50} (μM)
compounds	Structure	Experimental
I		0.18
II		0.133
III		0.257
IV		0.257
V		0.019
VI		0.062
VII		0.071
VIII		0.25
IX		0.161
X		0.092
XI		0.015
XII		0.222
XIII		0.106
XIV		0.19

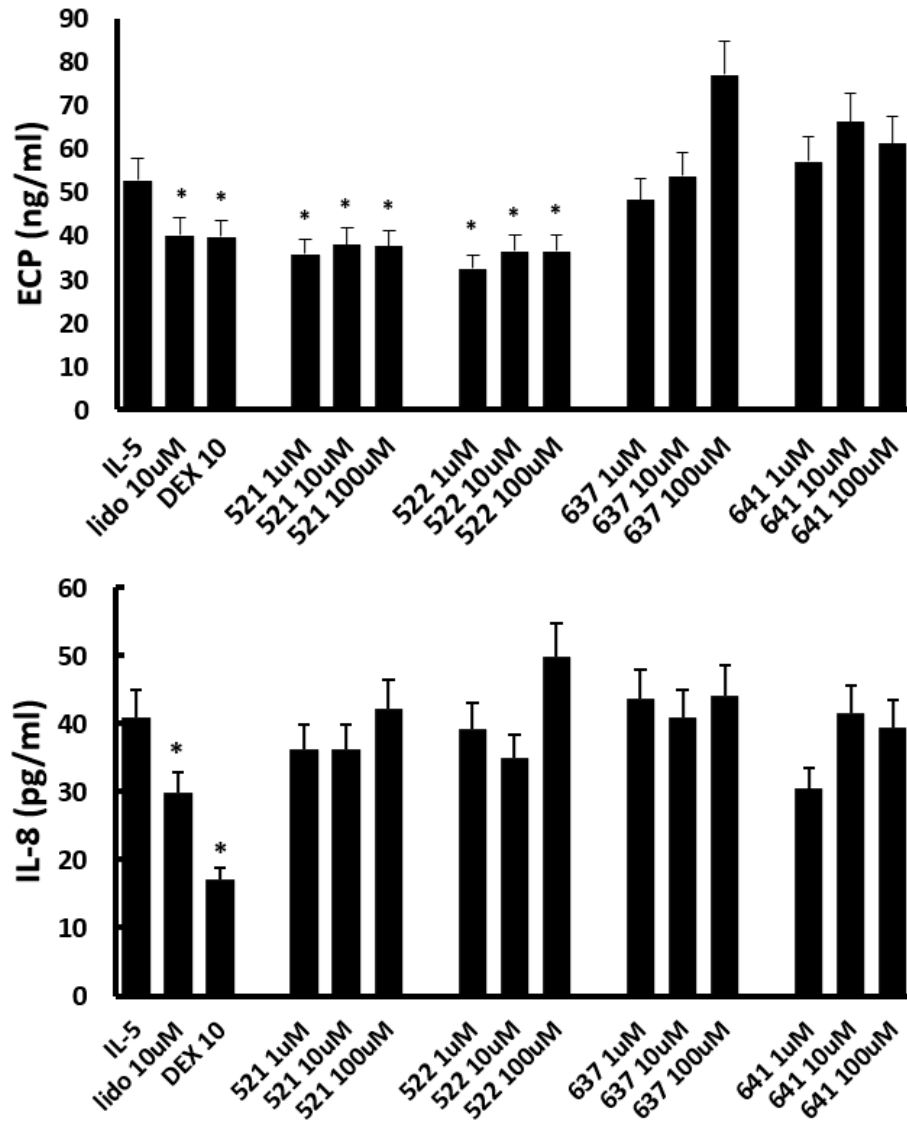


Figure S1. The effects of lidocaine-derived compounds EI521, E522, E637, and EI641 on IL-5-induced ECP and interleukin (IL)-8 production from eosinophils. IL-5-induced ECP production was significantly inhibited by compounds EI521 and EI522. IL-5-induced IL-8 production was not significantly inhibited by the compounds. lido, lidocaine; DEX, dexamethasone; * $p < 0.05$ compared with the IL-5 group, $n = 5$.

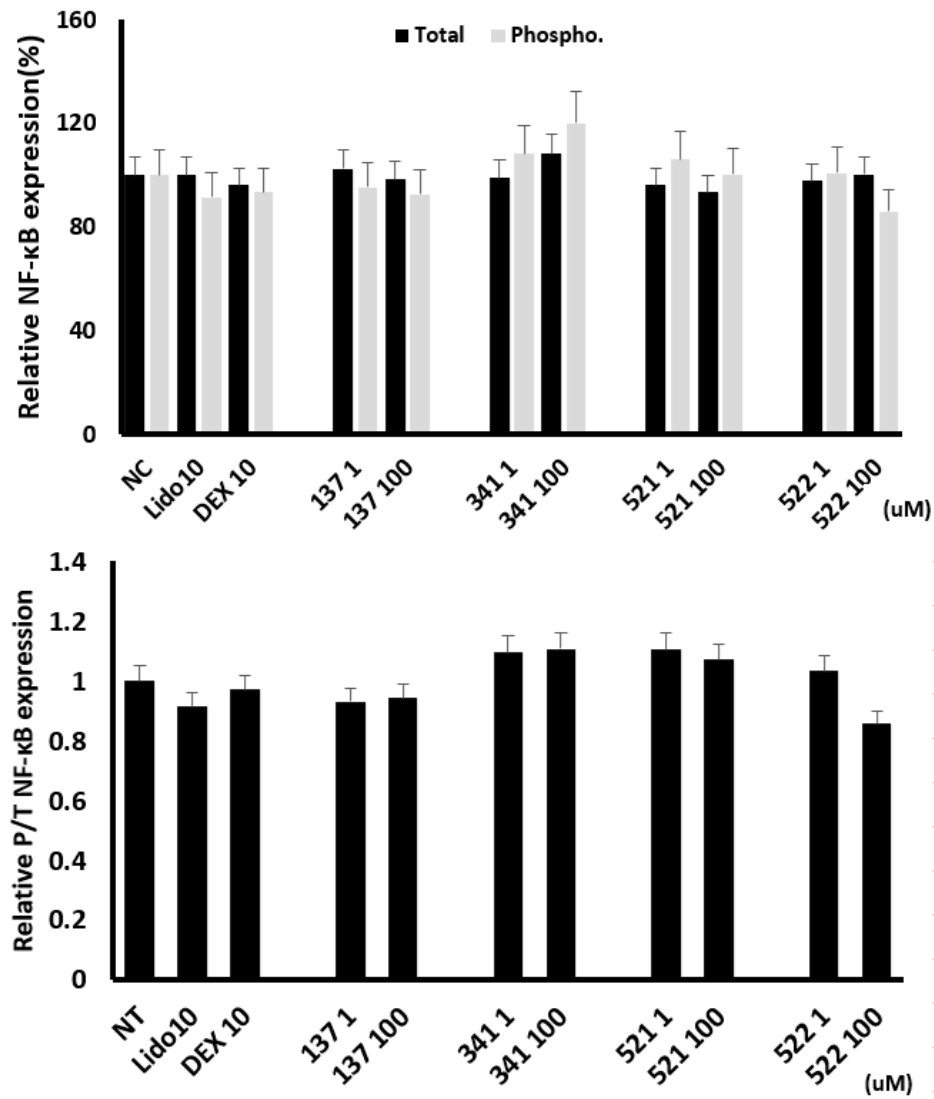


Figure S2. The effects of lidocaine analogs on IL-5-induced total and phosphorylated NF-κB expression in eosinophils. The compounds did not influence IL-5-induced phosphorylated NF-κB expression and relative phosphorylated/total NF-κB expression in eosinophils. NT, not-treated; Lido, lidocaine; DEX, dexamethasone, group, n = 7.

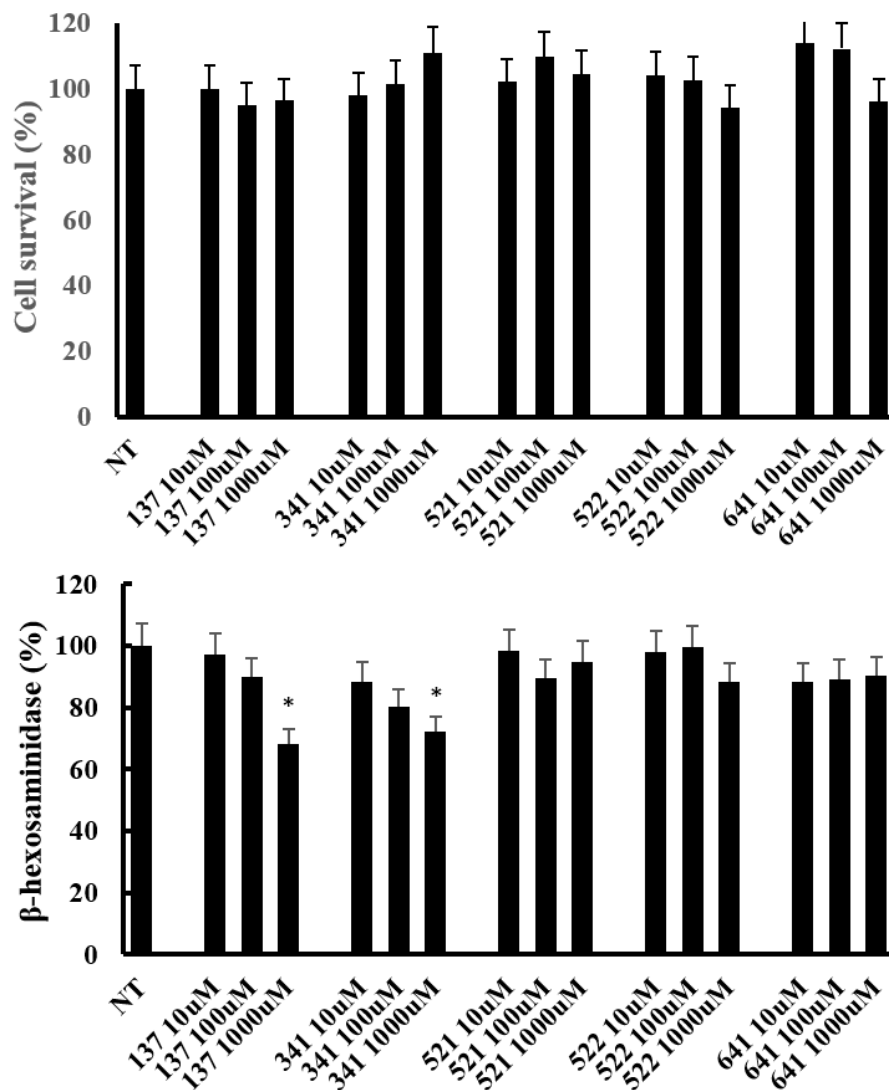


Figure S3: The effects of lidocaine-derived organic compounds on RBL-2H3 cell survival and degranulation. Organic compounds did not influence the survival of RBL-2H3 cells. At a dose of 1,000 μ M, compounds 137 and 341 significantly inhibited the release of β -hexosaminidase from RBL-2H3 cells. NT, not-treated; * $p < 0.05$ compared with the NT group, $n = 7$.