# Synthesis of 2-(Substituted phenyl)-3,5,5-trimethylmorpholine Analogues and Their Effects on Monoamine Uptake, Nicotinic Acetylcholine Receptor Function, and Behavioral Effects of Nicotine

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## Supporting Information

## Analysis Data

| Compound | Formula | Calculated | | | Found | | |
|---|---|---|---|---|---|---|---|
| | | C | H | N | C | H | N |
| (2*S*,3*S*)-**5a** Hemi-D-tartrate | $C_{15}H_{21}ClNO_4$•0.25$H_2O$ | 56.43 | 6.79 | 4.39 | 56.63 | 6.84 | 4.31 |
| (2*R*,3*R*)-**5a** Hemi-L-tartrate | $C_{15}H_{21}ClNO_4$ | 57.23 | 6.72 | 4.45 | 57.12 | 6.80 | 4.46 |
| (2*S*,3*S*)-**5b** Hemi-D-tartrate | $C_{15}H_{21}FNO_4$•0.25$H_2O$ | 59.49 | 7.16 | 4.63 | 59.69 | 7.00 | 4.61 |
| (2*S*,3*S*)-**5c** Hemi-D-tartrate | $C_{15}H_{21}BrNO_4$ | 50.15 | 5.89 | 3.90 | 49.95 | 5.83 | 3.78 |
| (2*S*,3*S*)-**5d** Hydrochloride | $C_{14}H_{21}Cl_2NO$ | 57.94 | 7.29 | 4.83 | 57.84 | 7.42 | 4.86 |
| (2*S*,3*S*)-**5e** Di-p-toluoyl-L-tartrate | $C_{35}H_{40}ClNO_9$ | 64.26 | 6.16 | 2.14 | 64.07 | 6.13 | 2.09 |
| (2*S*,3*S*)-**5f** Di-p-toluoyl-L-tartrate | $C_{36}H_{42}ClNO_9$ | 64.71 | 6.34 | 2.10 | 64.37 | 6.29 | 2.20 |
| (2*S*,3*S*)-**5g** Hemi-D-tartrate | $C_{16}H_{23}ClNO_4$•0.25$H_2O$ | 57.66 | 7.11 | 4.20 | 57.95 | 6.96 | 4.15 |
| (2*S*,3*S*)-**5h** Hemi-D-tartrate | $C_{17}H_{25}ClNO_4$ | 59.56 | 7.35 | 4.09 | 59.46 | 7.43 | 4.09 |