

Table S1. Effects of inhibitors on dexmedetomidine-induced concentration-response curves in isolated endothelium-denuded rat aorta

	60 mM KCl-induced contraction (g)	Log ED ₅₀	Maximal contraction (%)
Control	2.47 ± 0.15	-7.33 ± 0.03	94 ± 2
Chelerythrine (10 ⁻⁵ M)	2.55 ± 0.12	-6.99 ± 0.09 [*]	60 ± 7 [*]
Chelerythrine (3 × 10 ⁻⁵ M)	2.62 ± 0.24	NC	20 ± 9 ^{†#}
Control	2.87 ± 0.20	-7.36 ± 0.09	85 ± 3
Go6976 (10 ⁻⁶ M)	2.98 ± 0.18	-7.27 ± 0.07	83 ± 4
Control	2.53 ± 0.22	-7.33 ± 0.13	92 ± 3
Safingol (2.5 × 10 ⁻⁵ M)	2.56 ± 0.15	-7.33 ± 0.16	87 ± 5
Control	2.88 ± 0.16	-7.38 ± 0.16	88 ± 6
Ruboxistaurin (10 ⁻⁷ M)	3.02 ± 0.17	-7.37 ± 0.20	86 ± 4
Control	2.85 ± 0.18	-7.29 ± 0.09	87 ± 1
Rottlerin (3 × 10 ⁻⁶ M)	3.07 ± 0.18	-6.88 ± 0.07 [‡]	63 ± 5 [‡]
Rottlerin (2 × 10 ⁻⁵ M)	2.67 ± 0.12	-6.77 ± 0.13 [*]	47 ± 8 [†]
Control	2.34 ± 0.31	-7.15 ± 0.06	77 ± 3
ML-7 HCl (10 ⁻⁶ M)	1.95 ± 0.11	-7.01 ± 0.07	74 ± 6
ML-7 HCl (3 × 10 ⁻⁶ M)	1.95 ± 0.23	NC	22 ± 1 [†]
ML-7 HCl (10 ⁻⁵ M)	1.92 ± 0.23	NC	11 ± 5 [†]

Values are the mean ± SEM.

Maximal contraction: % of maximal contraction to isotonic 60 mM KCl.

NC: not calculated due to too small maximal contraction.

^{*}*P*<0.01 versus control; [†]*P*<0.001 versus control; [‡]*P*<0.05 versus control; [#]*P*<0.001 versus 10⁻⁵ M chelerythrine.