

SUPPORTING INFORMATION

Synthesis of some novel organic nitrates and comparative in vitro study of their vasodilator profile.

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Elemental analyses

Compound	Formula	Calculated			Found		
		%C	%H	%N	%C	%H	%N
5a	C ₁₀ H ₁₁ N ₃ O ₉	37.86	3.50	13.25	37.86	3.49	13.20
5b	C ₁₀ H ₁₁ N ₃ O ₉	37.86	3.50	13.25	37.78	3.48	13.22
7	C ₁₀ H ₁₂ N ₂ O ₅	46.89	4.72	10.93	46.58	4.75	11.17

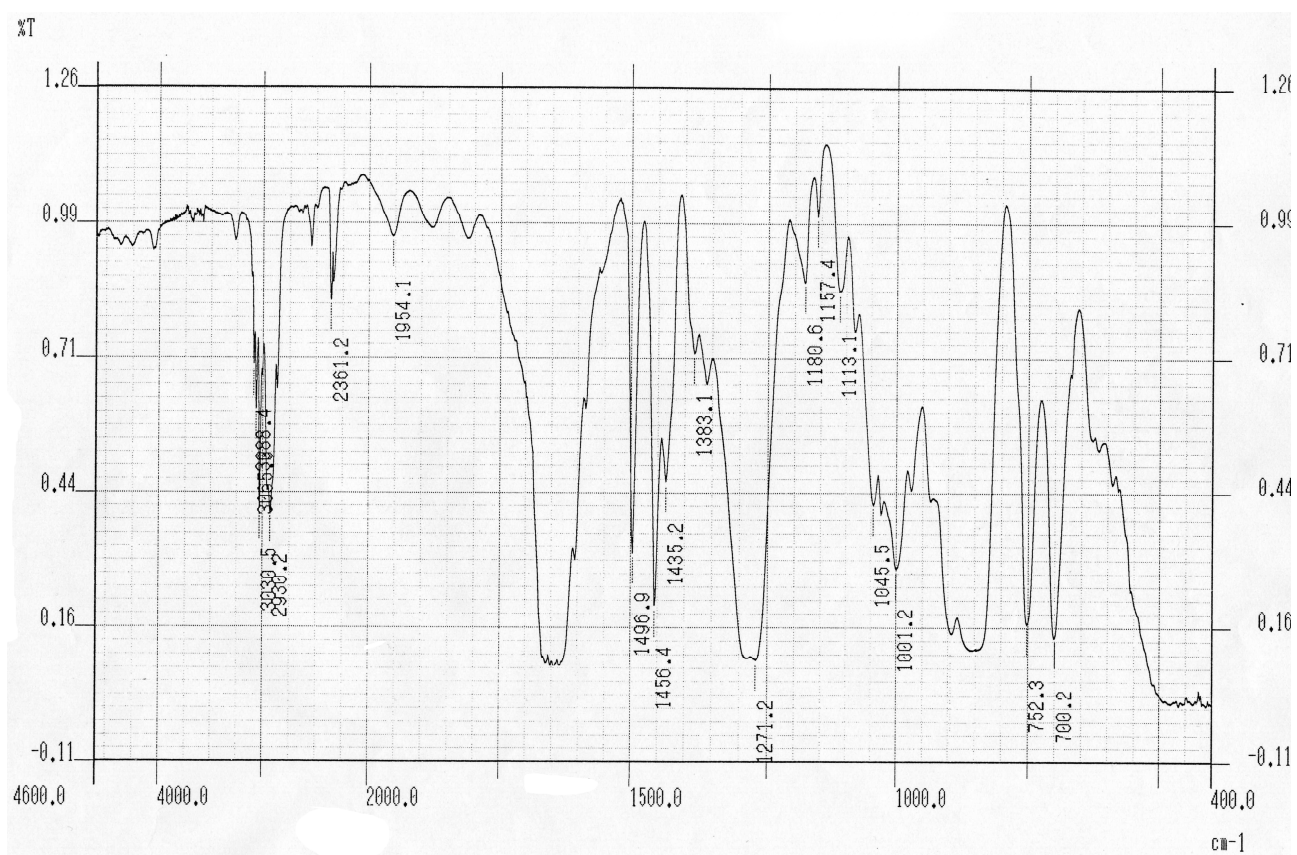


Figure S1. IR spectra of rac 4-phenylbutane-1,2-diyl dinitrate (7).

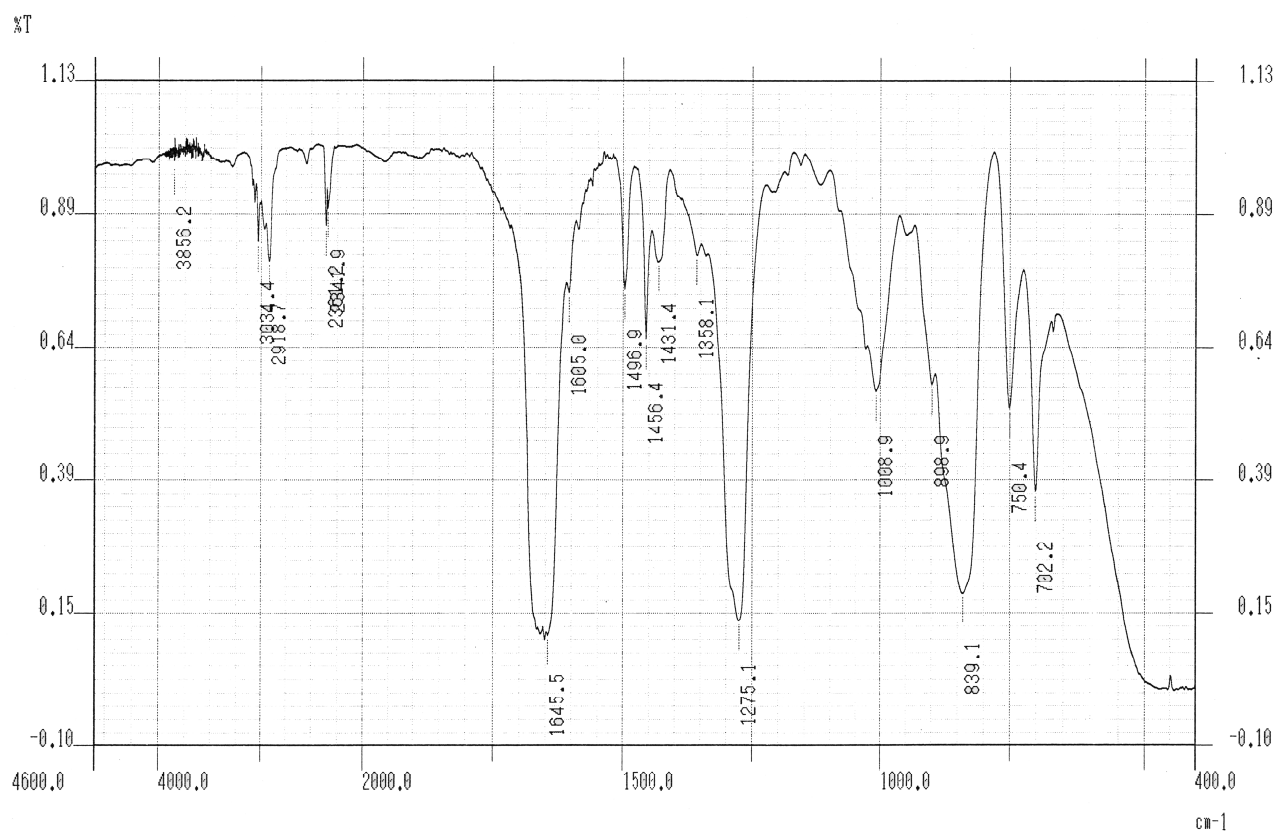


Figure S2. IR spectra of rac erythro-4-phenylbutane-1,2,3-triyl trinitrate (5a).

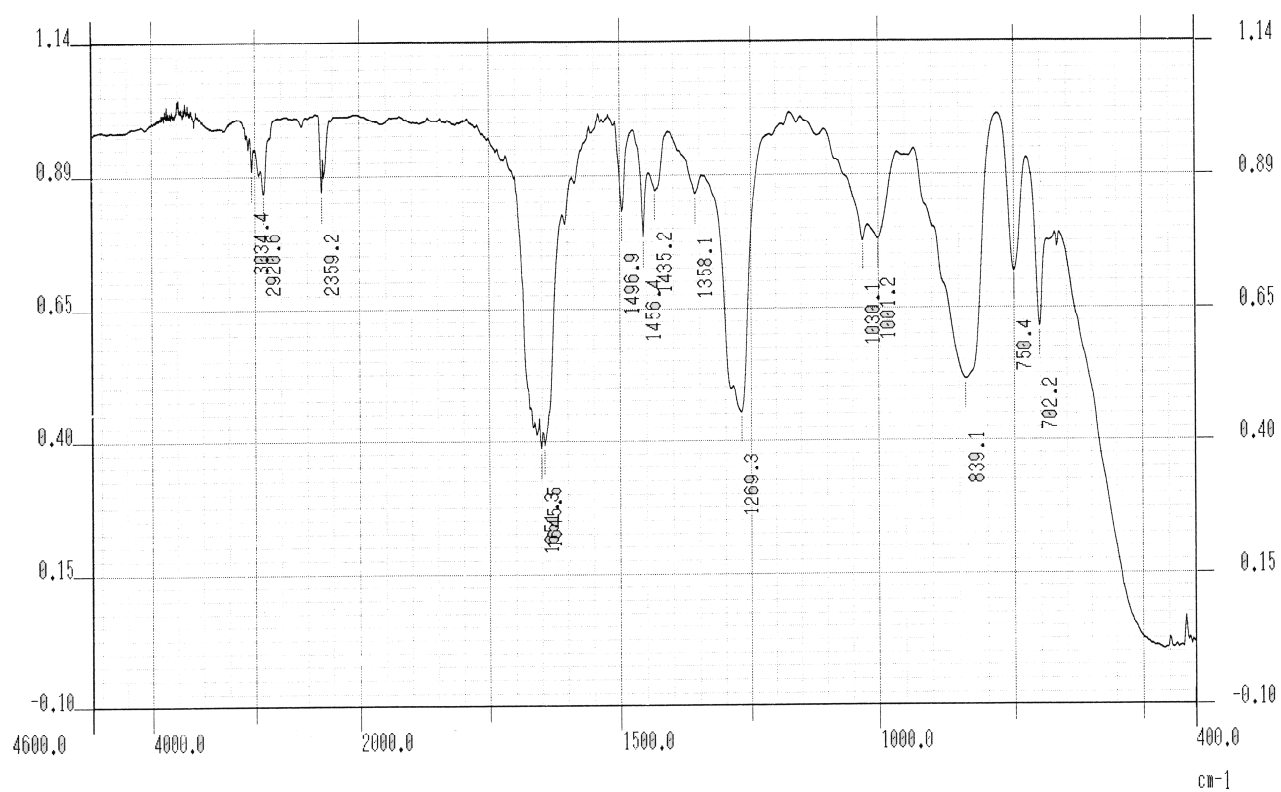


Figure S3. IR spectra of rac-*treo*-4-phenylbutane-1,2,3-triyl trinitrate (**5b**).

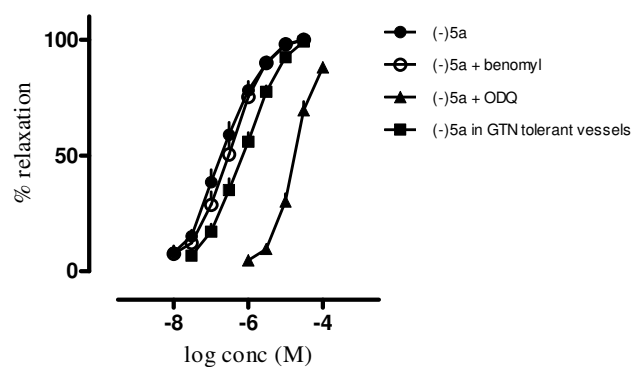


Figure S4. Concentration-response curves of (-)-5a in the absence and in the presence of inhibitors (1 μ M benomyl or 1 μ M ODQ) or in GTN tolerant vessels.

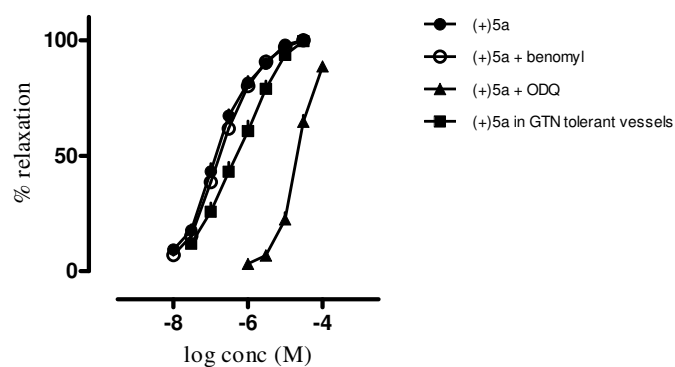


Figure S5. Concentration-response curves of (+)-5a in the absence and in the presence of inhibitors (1 μ M benomyl or 1 μ M ODQ) or in GTN tolerant vessels.

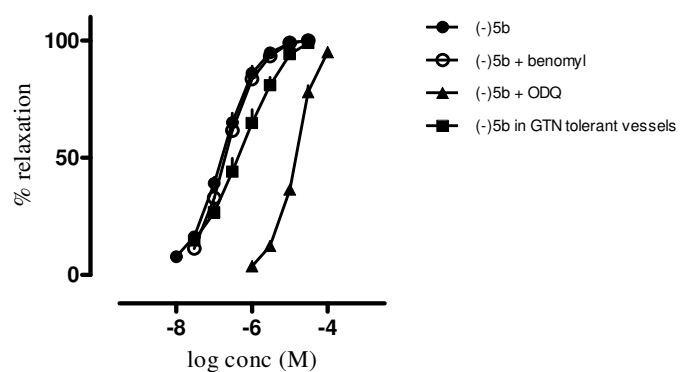


Figure S6. Concentration-response curves of (-)-5b in the absence and in the presence of inhibitors (1 μ M benomyl or 1 μ M ODQ) or in GTN tolerant vessels.

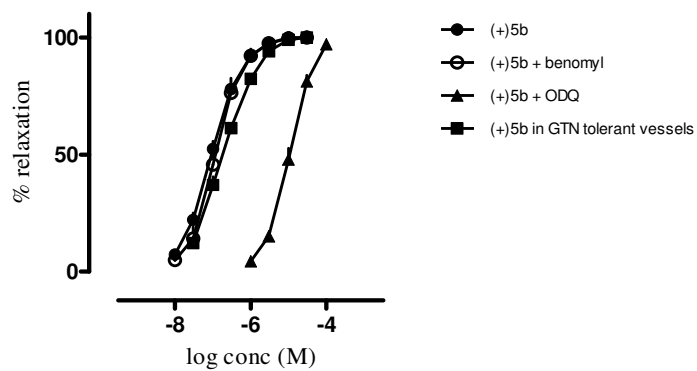


Figure S7. Concentration-response curves of (+)5b in the absence and in the presence of inhibitors (1 μ M benomyl or 1 μ M ODQ) or in GTN tolerant vessels.

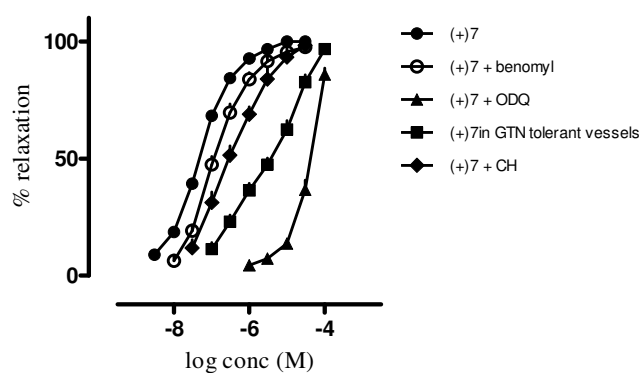


Figure S8. Concentration-response curves of (+)7 in the absence and in the presence of inhibitors (1 μ M benomyl, 1mM chloral hydrate (CH) or 1 μ M ODQ) or in GTN tolerant vessels

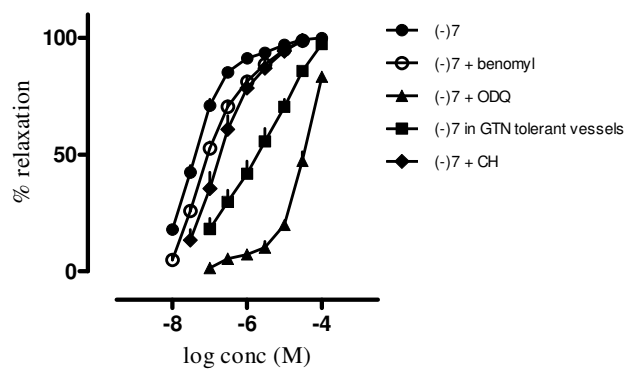


Figure S9. Concentration-response curves of (-)7 in the absence and in the presence of inhibitors (1 μ M benomyl, 1mM chloral hydrate (CH) or 1 μ M ODQ) or in GTN tolerant vessels

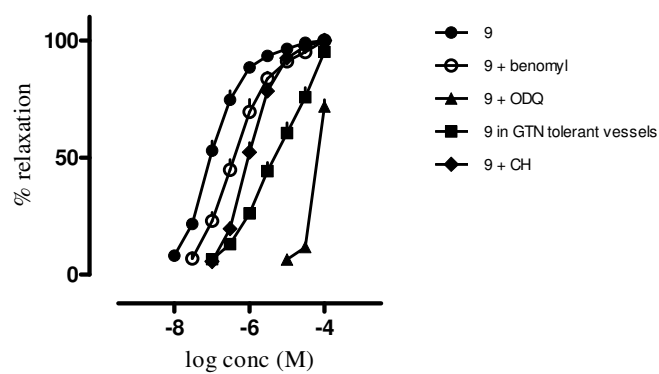


Figure S10. Concentration-response curves of **9** in the absence and in the presence of inhibitors (1 μ M benomyl, 1mM chloral hydrate (CH) or 1 μ M ODQ) or in GTN tolerant vessels

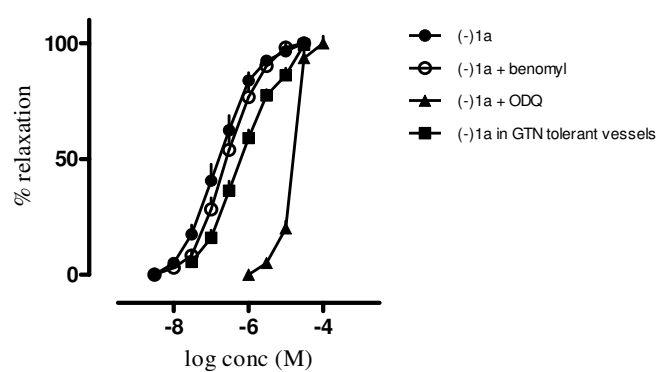


Figure S11. Concentration-response curves of **(-)1a** in the absence and in the presence of inhibitors (1 μ M benomyl or 1 μ M ODQ) or in GTN tolerant vessels

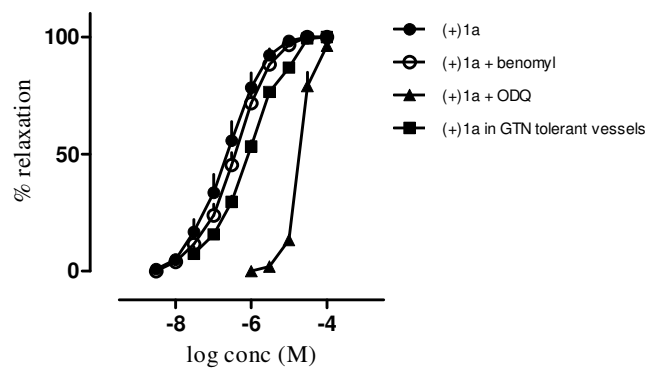


Figure S12. Concentration-response curves of **(+)1a** in the absence and in the presence of inhibitors (1 μ M benomyl or 1 μ M ODQ) or in GTN tolerant vessels

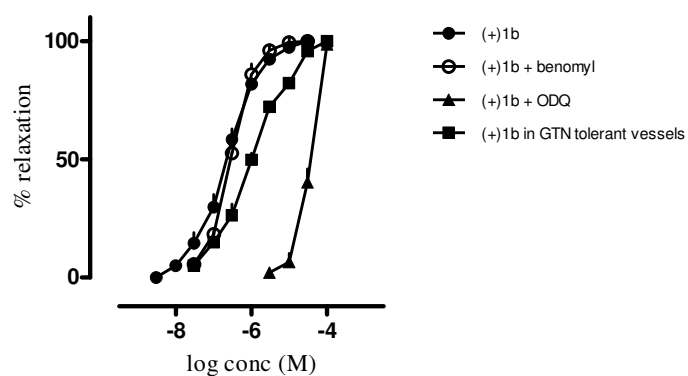


Figure S13. Concentration-response curves of (+)1b in the absence and in the presence of inhibitors (1 μ M benomyl or 1 μ M ODQ) or in GTN tolerant vessels

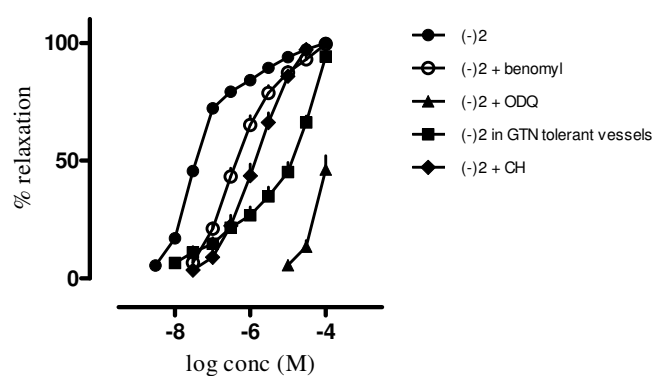


Figure S14. Concentration-response curves of (-)2 in the absence and in the presence of inhibitors (1 μ M benomyl, 1mM chloral hydrate (CH) or 1 μ M ODQ) or in GTN tolerant vessels

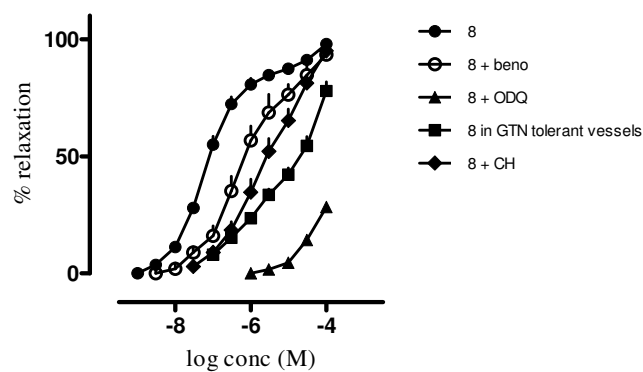


Figure S15. Concentration-response curves of 8 in the absence and in the presence of inhibitors (1 μ M benomyl, 1mM chloral hydrate (CH) or 1 μ M ODQ) or in GTN tolerant vessels