

Supplementary Materials

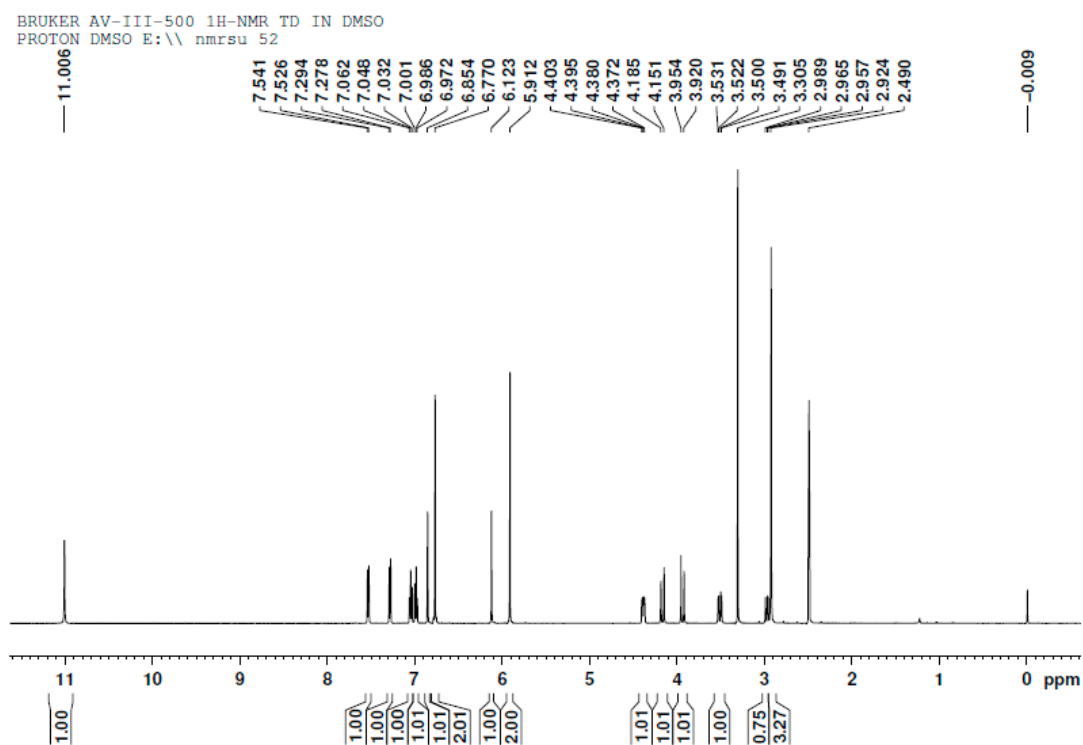


Figure S1. ^1H -NMR spectrum of tadalafil in $\text{DMSO-}d_6$ (500 MHz).

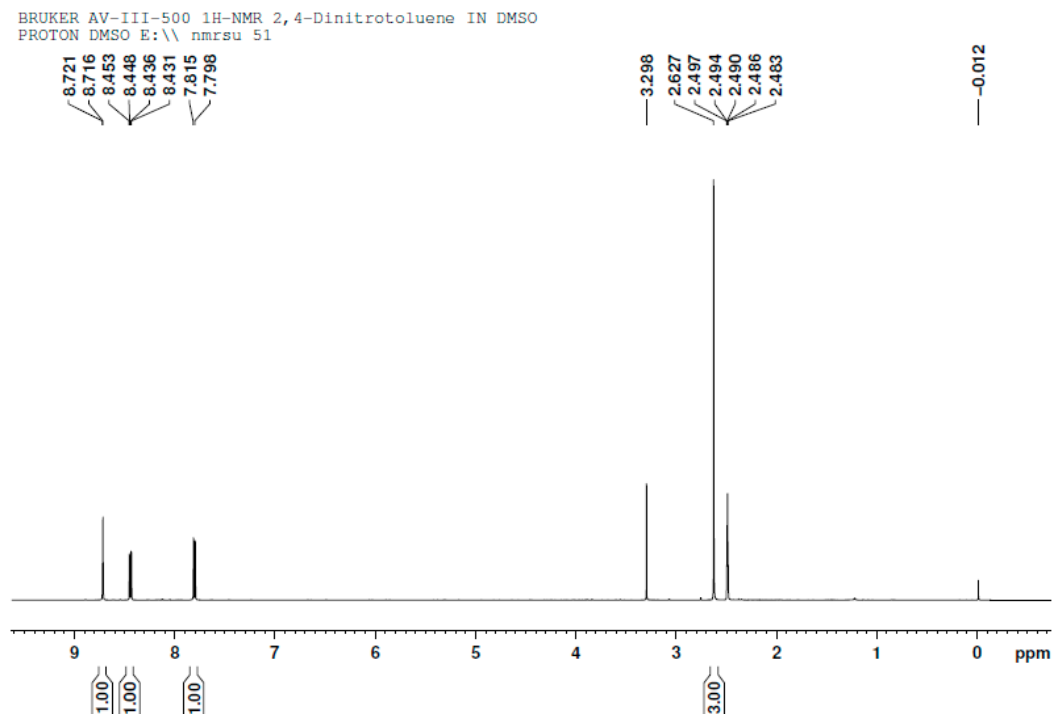


Figure S2. ^1H -NMR spectrum of 2,4-DNT in $\text{DMSO-}d_6$ (500 MHz).

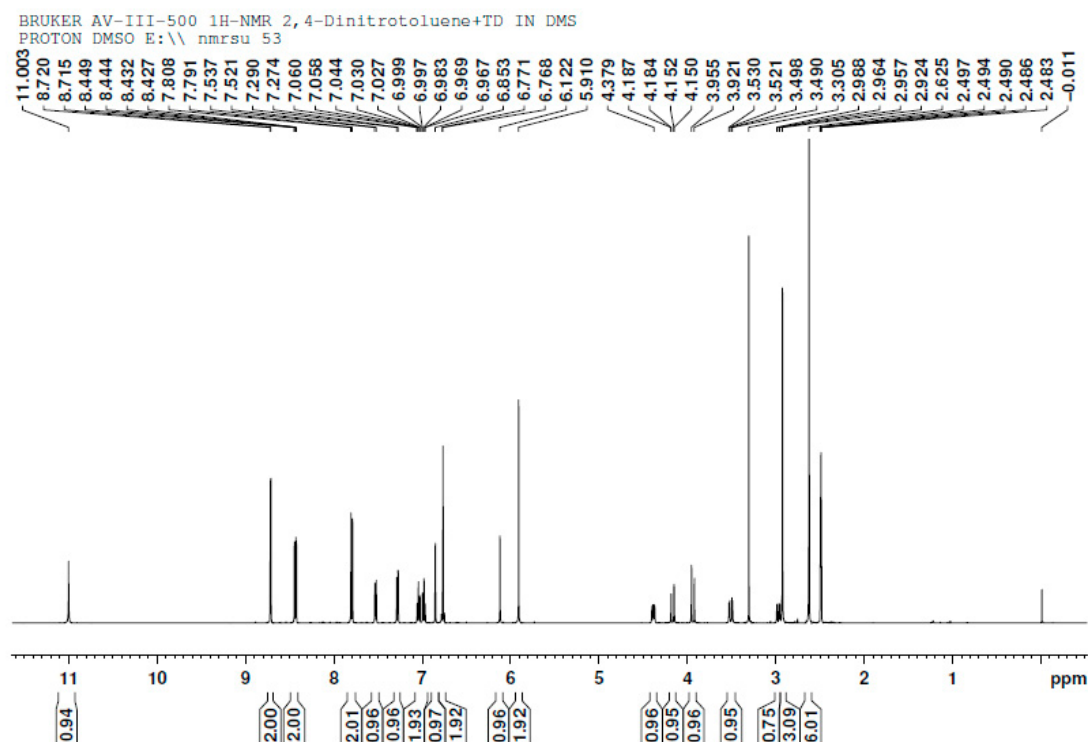
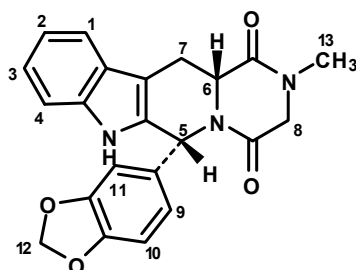


Figure S3. ^1H -NMR spectrum of the mixture of tadalafil and 2,4-DNT in $\text{DMSO-}d_6$ (500 MHz).

Table S1. Chemical structure and ^1H -NMR assignment of tadalafil.



No.	δ_H	No.	δ_H
1	7.54 (1H, , d, $J = 7.5\text{Hz}$)	8a	4.18 (1H, d, $J = 17.0\text{Hz}$)
2	7.06 (1H, t, $J = 7.0\text{Hz}$)	8b	3.95 (1H, d, $J = 17.0\text{Hz}$)
3	7.00 (1H, t, $J = 7.5\text{Hz}$)	9	
4	7.29 (1H, d, $J = 8.0\text{Hz}$)	10	6.77 (2H, s)
5	6.12 (1H, s)	11	6.85 (1H, s)
6	4.40 (1H, dd, $J = 11.5, 4.0\text{Hz}$)	12	5.91 (2H, s)
7a	3.53 (1H, dd, $J = 15.5, 4.5\text{Hz}$)	13	2.,92 (3H, s)
7b	2.99 (1H, dd, $J = 12.0, 4.0\text{Hz}$)	NH	11.01 (1H, s)

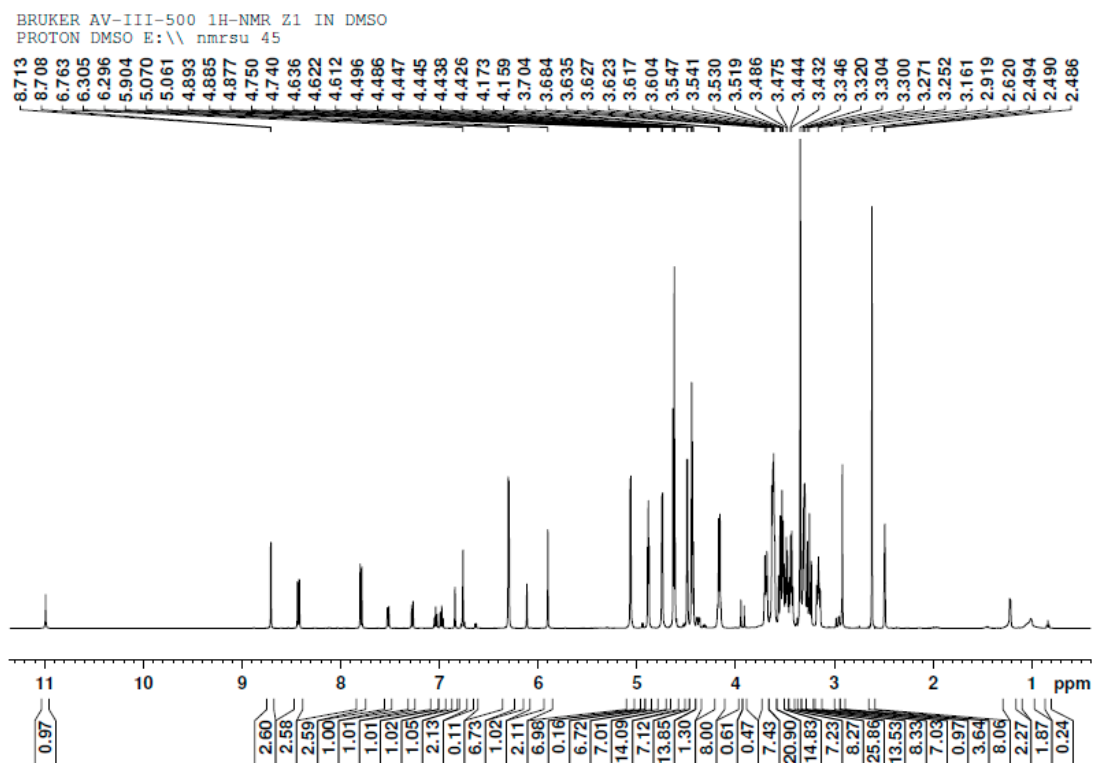


Figure S4. ^1H -NMR spectrum of the mixture of tadalafil, tadalafil tablet powder and 2,4-DNT (500 MHz).