Supplementary Material

NMR Parameters

Solution NMR spectra were recorded on a Bruker DRX 400 (9.4 Tesla, 400.13 MHz for ¹H, 100.62 MHz for ¹³C, 40.54 MHz for ¹⁵N and 376.50 MHz for ¹⁹F) spectrometer with a 5-mm inverse-detection H-X probe equipped with a z-gradient coil (¹H, ¹³C, ¹⁵N) and with a QNP 5 mm probe (¹⁹F), at 295 K. Chemical shifts (δ in ppm) are given from internal solvent, DMSO-d₆ 2.49 for ¹H and 39.5 for ¹³C, CDCl₃ 7.26 for ¹H and 77.0 for ¹³C, HMPA-*d*₁₈ 2.51 to the upfield multiplet for ¹H and 35.8 for ¹³C. External references were used for ¹⁵N and ¹⁹F, nitromethane and CFCl₃, respectively. Coupling constants (*J* in Hz) are accurate to ± 0.2 Hz for ¹H, ± 0.8 Hz for ¹⁹F and ± 0.6 Hz for ¹³C. Typical parameters for ¹H-NMR spectra were spectral width 6500 Hz and pulse width 7.5 µs at an attenuation level of 0 dB. Typical parameters for ¹⁹F-NMR spectra were spectral width 55 kHz, pulse width 13.75 µs at an attenuation level of -6 dB and relaxation delay 1 s. Typical parameters for ¹³C-NMR spectra were spectral width 21 kHz, pulse width 10.6 µs at an attenuation level of -6 dB and relaxation delay 2 s; WALTZ-16 was used for broadband proton decoupling; the FIDs were multiplied by an exponential weighting (lb = 2 Hz) before Fourier transformation. 2D (¹H-¹³C) gs-HMOC and, (¹H-¹³C) gs-HMBC were acquired and processed using standard Bruker NMR software and in non-phase-sensitive mode [77]. Gradient selection was achieved through a 5% sine truncated shaped pulse gradient of 1 ms. Selected parameters for (¹H-¹³C) gs-HMQC and gs-HMBC spectra were spectral width 3500 Hz for ¹H and 20.5 kHz for ¹³C, 1024×256 data set, number of scans 2 (gs-HMQC) or 4 (gs-HMBC) and relaxation delay 1 s. The FIDs were processed using zero filling in the F_1 domain and a sine-bell window function in both dimensions was applied prior to Fourier transformation. In the gs-HMQC experiments, GARP modulation of ¹³C was used for decoupling. Selected parameters for (¹H-¹⁵N) gs-HMOC spectra were spectral width 6500 Hz for ¹H and 12.5 kHz for ¹⁵N, 1024×256 data set, number of scans 4, relaxation delay 1 s. The FIDs were processed using zero filling in the F_1 domain and a sine-bell window function in both dimensions was applied prior to Fourier transformation. Variable-temperature experiments (DNMR) were recorded with the same spectrometer and a Bruker BVT3000 temperature unit was used to control the temperature of the cooling gas stream and an exchanger to achieve low temperatures.

Solid-state NMR ¹³C (100.73 MHz) and ¹⁵N (40.60 MHz) CPMAS spectra have been obtained on a Bruker WB 400 spectrometer at 300 K using a 4 mm DVT probehead. Samples were carefully packed in a 4 mm diameter cylindrical zirconia rotor with Kel-F end-caps. Operating conditions involved 3.2 μ s 90° ¹H pulses and decoupling field strength of 86.2 kHz by TPPM sequence. ¹³C spectra were originally referenced to a glycine sample and then the chemical shifts were recalculated to the Me4Si (for the carbonyl atom δ (glycine) = 176.1 ppm) and ¹⁵N spectra to ¹⁵NH₄Cl and then converted to nitromethane scale using the relationship: δ ¹⁵N (nitromethane) = δ ¹⁵N (ammonium chloride) – 338.1 ppm. Typical acquisition parameters for ¹³C CPMAS were: spectral width, 40 kHz; recycle delay, 30–100 s; acquisition time, 30 ms; contact time, 5 ms; and spin rate, 12 kHz. In order to distinguish protonated and unprotonated carbon atoms, the NQS (Non-Quaternary Suppression) experiment by conventional cross-polarization was recorded; before the acquisition the decoupler is switched off for a very short time of 25 μ s [78–80]. And for ¹⁵N CPMAS were: spectral width, 40 kHz; recycle delay, 30–100 s; acquisition time, 35 ms; contact time, 6 ms; and spin rate, 6 kHz.

Solid-state ¹⁹F (376.94 MHz) NMR spectra have been obtained on a Bruker WB 400 spectrometer using a MAS DVT BL2.5 X/F/H double resonance probehead. Samples were carefully packed in 2.5 mm

diameter cylindrical zirconia rotors with Kel-F end-caps. Samples were spun at the magic angle at rates of 25 kHz and the experiments were carried out at ambient probe temperature. Typical parameters for single pulse ¹⁹F MAS NMR spectra were: spectral width, 75 KHz; pulse width, 2.5 μ s; recycle delay, 10 s; scans, 128; and spin rate, 25 kHz. The typical acquisition parameters ¹⁹F{¹H} MAS were: spectral width, 75 kHz; recycle delay, 10 s; pulse width, 2.5 μ s and proton decoupling field strength of 100 kHz by SPINAL-64 sequence; recycle delay, 10 s; acquisition time, 25 ms; 128 scans; and spin rate, 25 kHz. The ¹⁹F spectra were referenced to ammonium trifluoroacetate sample and then the chemical shifts were recalculated to the CFCl₃ (δ CF₃COO⁻NH₄⁺= -72.0 ppm).

ΗŅ C₆H₅ C₆H₅ но HO 9 12 13 Nuclei 12 13 9 [5,6] HMPA-d₁₈ Solvent DMSO-d₆ DMSO-d₆ DMSO-d₆ DMSO-d₆ DMSO-d₆ (Temp) 300K 295K 300K 290K 360K 295K 13.25 (43%) 13.25 (40%) 14.03 (33%) 13.18 (36%) 13.23 (33%) NH 12.75 12.96 (64%) 13.06 (67%) 13.06 (57%) 13.05 (60%) 13.80 (67%) 6.85 (major) 6.97 (major) H4 6.88 6.91 6.85 6.80 6.90-7.24 7.08-7.19 6.95 6 99 6.93 7.89-6.85 6.90-7.24 7.08-7.19 H6 ${}^{3}J_{\rm H7} = 16.5$ ${}^{3}J_{\rm H7} = 16.9$ ${}^{3}J_{\rm H7} = 16.6$ 7.08 7.10 7.17 H7 7.89-6.85 6.90-7.24 7.02-7.04 ${}^{3}J_{\rm H6} = 16.9$ ${}^{3}J_{\rm H6} = 16.6$ ${}^{3}J_{\rm H6} = 16.5$ 7.30 $^{3}J_{\rm F} = 12.6$ H2′ 7.15 7.89-6.85 7.24-7.51 7.22-7.25 ${}^{4}J_{\rm H6'} = 2.1$ 6.60 3.84 ${}^{3}J_{\rm F} = 12.8$ H3′ ---(OMe) ${}^{4}J_{\rm H5'} = 2.4$ 9.21 (major) 10.13 (major) 10.12 (major) 11.15 (major) OH 10.12 9.53 9.10 (minor) 9.03 (minor) 10.03 (minor) 11.04 (minor) 6.65 6.96 6.78 H5′ ${}^{3}J_{\rm H6'} = 8.5$ 7.89-6.85 6.90-7.24 ${}^{3}J_{H6} = 8.3$ 7.02-7.04 ${}^{3}J_{\rm H6'} = 8.1$ ${}^{4}J_{\rm H3'} = 2.4$ ${}^{4}J_{\rm F} = 9.2$ 6.96 7.16 H6′ ${}^{3}J_{\rm H5'} = 8.1$ ${}^{3}J_{\rm H5} = 8.2$ 7.53 7.89-6.85 6.90-7.24 7.08-7.19 ${}^{4}J_{\text{H2}'} = 1.8$ ${}^{4}J_{\rm H2'} = 2.2$ 7.80 (major) 8.02 (minor) Ho 7.80 7.79 7.78 7.80 7.76 (minor) 7.86 (major) Hm 7.43 7.41 7.89-6.85 7.24-7.51 7.41 7.36 7.31 7.89-6.85 Hp 7.30 7.24-7.51 7.30 7.22-7.25 ${}^{3}J_{\text{H}m} = {}^{3}J_{\text{H}m} = 6.7$

Table S1. ¹H-NMR in solution of pyrazole derivatives (chemical shifts δ in ppm, *J* coupling constants in Hz).

Table S1. Cont.										
	нй——й нй— й нй— й									
		C ₆ H ₅ F				C ₆ H ₅				
	F F	но	F 15	F	10					
	он	14	· 15	ON ON	le					
Nuclei	14	15		10	6					
Solvent	DMSO-d ₆	DMSO-d ₆	CDCl ₃	DMSO-d ₆	DMSO-d ₆	HMPA- d_{18}				
(Temp)	295K	295K	300K	295K	360K	295K				
NH	13.33 (46%)	13.28 (40%)	no	13.29 (43%)	12.84	14.06 (35%)				
	13.17 (54%)	13.12 (60%)	n. o.	13.10 (57%)	12.01	13.94 (65%)				
		6 99 (minor)		7.0 (minor)		6.92 (major)				
H4	6.98–7.23	6 91 (maior)	6.75	6 90 (major)	6.84	7.62-6.98				
		0.91 (iiiujoi)		o.so (major)		(minor)				
H6	6 98-7 23	7.06	6.97	7 26–7 06	7.07	7 62–6 98				
	0.90 7.20	${}^{3}J_{\rm H7} = 16.6$	${}^{3}J_{\rm H7} = 16.6$	7.20 7.00	$^{3}J_{\rm H7} = 16.3$	1.02 0.90				
H7	6 98-7 23	7.15	7.05	7 26-7 06	7.16	7 62-6 98				
	0.90 7.20	$^{3}J_{\rm H6} = 16.6$	${}^{3}J_{\rm H6} = 16.6$	7.20 7.00	$^{3}J_{\rm H6} = 16.3$	1.02 0.90				
			7.09		7.32					
H2′			${}^{4}J_{\rm F} = 8.2$	7.50-7.20	${}^{4}J_{\rm F} \sim 8.1$	7.62–6.98				
			${}^{4}J_{\rm H6'} = 2.0$		${}^{4}J_{\rm H6'} = 2$					
		6.78 (dd)		3 90	3 92	3 95				
H3′		${}^{4}J_{\rm F5'} = 7.4$	(OMe)	(OMe)	(OMe)	(OMe)				
		${}^{3}J_{\rm F2} = 11.6$	(0110)	(0110)	(0110)	(01110)				
OH	10.30	10.6 (s, br)								
			7.05		7.15					
H5′	6.98-7.23		${}^{3}J_{\rm H6'} = 8.3$	7.26-7.06	${}^{3}J_{\rm H6'} = 8.5$	7.62-6.98				
			${}^{3}J_{\rm F} = 10.9$		${}^{3}J_{\rm F} = 11.5$					
			6.99		7.10					
H6′	6 98-7 23	7 58 (m)	${}^{3}J_{\rm H5'} = 8.3$	7 26-7 06	${}^{4}J_{\rm F} = 4.7$	7 62-6 98				
110	0.98-7.23	7.30 (III)	${}^{4}J_{\rm F} = 4.7$	1.20 1.00	${}^{3}J_{\rm H5'} = 8.5$	1.02 0.90				
			${}^{4}J_{\rm H2'} = 2.0$		${}^{4}J_{\mathrm{H2'}} = 2$					
Ho	7 80	7.80 (m)	u) 7.71	7.80 (major)	7 78	8.00 (minor)				
110	7.00	7.00 (m)	/./1	7.77 (minor)	1.10	7.84 (major)				
Hm	7.42	7.42 (m)	7.43	7.50-7.20	7.42	7.62–6.98				
Нр	7.30	7.31 (m)	7.36	7.50-7.20	7.31	7.62–6.98				

S3

$\begin{array}{c c} 1 & 2 \\ HN & N \\ 5' & 7 & 3 \\ 5' & 1' & 6 \\ 5 & 4 & i \\ 1' & 6 \\ 1' & 0 \\ 1$			HN-		HN-	HN N C ₆ H ₅		
HO 4	3 ^{2'} 9	*	р но	F 12	но	13	0.0	
	ÓMe C			12		F 13		
Nuclei	9	CDMAG	12 DMGO /	CDMAG		13	CDMAG	
Solvent (Tomp)	DMSO- <i>d</i> 6 300 K [6]	CPMAS 300 K [6]	DMSO- <i>a</i> 6 295 K	CPMAS 300 K	DMSO- <i>a</i> 6 295 K	HMPA- <i>a</i> 18 295 <i>k</i>	CPMAS 300 K	
(remp)	151.0 (major)	500 K [0]	151.0 (minor)	300 K	150.9 (major)	151.0 (major)	500 K	
C3	151.4 (minor)	152.6	150.9 (major)	152.2	150.9 (major) 151.1(minor)	151.5 (major) 151.5 (minor)	151.8	
C1	99.5 (major)	102.5	100.0 (major)	06.0	100.0 (major)	99.7 (major)	07.0	
C4	100.4 (minor)	103.5	99.3 (minor)	96.9	99.3 (minor)	99.3 (minor)	97.9	
C5	142.6 (major)	144.0	142.3 (major)	144.0	142.2 (major)	143.0 (major)	143 1	
	140.3 (minor)	111.0	142.9 (minor)	111.0	142.8 (minor)	143.1 (minor)	115.1	
C6	112.7 (major)	113.5	114.9 ^a	117.9	114.0 (major)	114.5 (major)	125.6	
	118.4 (minor)				119.7 (minor)	120.2 (minor)		
C7	130.1	129.0	122.0 ª	122.0	128.1 (major)	129.0(major)	130.4	
					128.5 (minor)	129.3(minor)		
C1′	128.1	129.0	122.1 ^a	117.9	129.0 (major)	128.0 (major)	131.6	
			160.5	1(1 4/150 0	129.3 (minor)	129.3 (minor)		
C2′	109.5	112.3	160.5	101.4/158.8	113.4	113.4	109.1	
			$J_{\rm F} = 247.3$	$J_{\rm F} \sim 202$	$-J_{\rm F} = 18.0$	$-J_{\rm F} = 18.5$	15(0/154 (
C3′	147.9	148.3	102.8	108.0	151.2	152.1	130.9/134.0	
	55.6 (major)		JF - 24.5		$J_{\rm F} = 240.8$	$J_{\rm F} = 241.8$	$JF \sim 247$	
R ₃	$R_3 = \frac{55.6 \text{ (major)}}{55.5 \text{ (minor)}}$							
					145.0 (major)			
	147.1 (major)				${}^{2}J_{\rm F} = 12.3$	146.7 (major)		
C4′	146.6 (minor)	148.3	158.7	156.2	144.5 (minor)	$^{2}J_{\rm F} = 11.8$	144.9	
					$^{2}J_{\rm F} = 12.7$	146.3 (minor)		
051	115.6 (major)	116.0	110.0	112 (117.9 (major)	118.0	1145	
C5'	115. 3 (minor)	116.0	112.3	113.6	119.7 (minor)	${}^{3}J_{\rm F} = 3.8$	114.7	
C(l)	120.2 (major)	110.5	129.2	129.5	123.4 (major)	122.7 (major)	122.0	
	122.1 (minor)	119.5	128.2	128.3	123.1 (minor)	122.4 (minor)	122.9	
Ci	133.6 (major)	133.2	133.6	130.2	133.6 (major)	135.2 (major)	127.3	
Ci	132.0 (minor)	133.2	155.0	130.2	129.0 (minor)	130.8 (minor)	152.5	
Co	125.1 (major)	126.4	125.1	124.3	125.1	125.4 (major)	126.3	
	125.0 (minor)	120.1	120.1	121.3	125.1	125.5 (minor)	120.3	
Ст	128.7	129.0	128.7	126.5	128.6 (major)	128.5 (major)	128.1	
	120.7	/	0.7	120.5	128.8 (minor)	128.7 (minor)	.20.1	
Cp	127.5	129.0	127.4	126.5	127.4 (major)	127.1 (major)	128.1	
	127.0				128.5 (minor)	127.7 (minor)		
N1	b	-181.5	b	-177.2	-177.3 (major)	-177.0 (major)	-168.5	
	h	105.2	b	111.0	-1/9.7 (minor)	-1/9.3 (minor)	120.0	
N2	υ	-105.3	υ	-111.9	U	υ	-120.0	

Table S2. ¹³C- and ¹⁵N-NMR in solution and solid state of pyrazole derivatives (chemical shifts δ in ppm, *J* coupling constants in Hz).

^a Broad signal; ^b Not detected.

Table S2. Cont.

	HN-N C ₆ H ₅ F				HN N C ₆ H ₅			HN N C ₆ H ₅		
	FOH	^F 14	НС	F	15	F	16 Me	i		
Nuclei	14		1	5			16			
Solvent	DMSO-d ₆	CPMAS	DMSO-d ₆	CPMAS	CDCl ₃	DMSO-d ₆	DMSO-d ₆	HMPA-d ₁₈	CPMAS	
(Temp)	295 K	300 K	295 K	300 K	300 K	360 K	295 K	295 K	300 K	
C3	151.0 (major) 153.3 (minor)	153.7	151.0	148.9	148.5		150.9	151.0 (major) 151.3 (minor)	152.1	
C4	100.7 (major) 99.9 (minor)	97.1	100.6 ^a (major) 99.6 ^a (minor)	98.4	100.2 ${}^{1}J_{\rm H} = 174.9$ ${}^{3}J_{\rm H} = 3.4$	99.6	100.3 (major) 99.4 (minor)	100.3 (major) 99.4 (minor)	102.7	
C5	141.8 (major) 143.0 (minor)	142.5	143.0 (minor) 142.0 (major)	143.9	147.2		142.0 (major) 142.9 (minor)	142.6 (major) 143.2 (minor)	142.1	
C6	117.8	121.7	116.2 (major) 120.1 (minor)	116.8	117.8 ${}^{1}J_{\rm H} \sim 158.3$	119.0	115.9 (major) 119.4 (minor)	116.1 122.5	115.0	
C7	123.6	123.6	120.8 (major) 122.0 (minor)	124.9/123.7	129.9 ${}^{5}J_{\rm F} = 1.6$ ${}^{1}J_{\rm H} \sim 155.3$	128.2	128.9 (major) 128.3 (minor)	128.8 (major) 128.0 (minor)	130.5	
C1′	121.3 (major) 120.7 (minor)	121.7	114.9 (major) 115.3 (minor)	119.8	133.3 ${}^{4}J_{\rm F} = 3.8$		129.0	134.8 (major)	133.6	
C2′	150.2 ${}^{1}J_{\rm F} = 245.6$ ${}^{3}J_{\rm F} = 5.8$	150.1	155.7 ${}^{1}J_{\rm F} = 244.6$	$157.5/154.8^{1+}$ $J_{\rm F}\sim 272$	111.0 ${}^{3}J_{\rm F} = 1.8$ ${}^{1}J_{\rm H} = 157.1$	111.8	110.9	111.6	113.8	
C3′	134.0 ${}^{2}J_{\rm F} = 16.1$ ${}^{2}J_{\rm F} = 16.1$	153.1	105.0 $^{2}J_{\rm F} = 26.6$	109.8	147.8 ${}^{2}J_{\rm F} = 11.2$		147.4 $^{2}J_{\rm F} = 10.9$	148.1 ${}^{2}J_{\rm F} = 10.7$	148.2	
R ₃					56.2 ${}^{1}J_{\rm H} = 144.7$	56.1	56.0	56.3	56.7	
C4'	151.7 ${}^{1}J_{F} = 240.6$	135.5	145.7	148.0	152.4 ${}^{1}J_{\rm F} = 249.2$ ${}^{3}J_{\rm H} = 10.7$ ${}^{3}J_{\rm H} = 8.5$ ${}^{2}J_{\rm H} = 5.0$		151.3 (major) ${}^{1}J_{\rm F} = 249$ 151.1 (minor) ${}^{1}J_{\rm F} = 246$	151.9 (major) ${}^{1}J_{\rm F} = 244$ 151.7 (minor) ${}^{1}J_{\rm F} = 242$	152.1	
C5′	111.9 ${}^{2}J_{\rm F} = 18.6$	111.2	148.1 ${}^{1}J_{\rm F} = 236.9$	$153.5/150.9^{-1}$ $J_{\rm F} \sim 269$	116.2 ${}^{2}J_{\rm F} = 18.8$ 1 $J_{\rm H} = 162.6$	115.6	115.9 (major) ${}^{2}J_{\rm F} = 18$ 116.0 (minor) ${}^{2}J_{\rm F} = 23$	116.6 (major) ${}^{2}J_{\rm F} = 22$ 116.5 (minor) ${}^{2}J_{\rm F} = 24$	114.2	
C6′	115.9 ${}^{3}J_{\rm F} = 8.2$ ${}^{3}J_{\rm F} = 3.6$	119.4	113.4 ${}^{2}J_{\rm F} = 21.1$ ${}^{3}J_{\rm F} = 5.4$	110.6	119.5 ${}^{3}J_{\rm F} = 6.8$ ${}^{1}J_{\rm H} = 161.6$	121.7	119.4 (major) 121.5 (minor)	119.2 ${}^{3}J_{\rm F} = 6.6$	118.4	
Ci	133.5	126.8	133.5	129.3	131.1		133.5 (major) 134.1 (minor)	135.1 (major) 135.2 (minor)	133.6	

Nuclei	14		15	16						
Co	125.1	126.8	125.1	128.1	125.6 ${}^{1}J_{H} = 158.4$ ${}^{3}J_{H} = 7.1$ ${}^{3}J_{H} = 7.1$	124.8	125.1	125.3 (major) 125.5 (minor)	124.3 127.2	
Ст	128.8	132.3	128.7	128.9	128.9 ${}^{1}J_{\rm H} = 159.8$ ${}^{3}J_{\rm H} = 7.7$	128.0	128.7 (major) 129.0 (minor)	128.6 (major) 128.8 (minor)	128.3	
Cp	127.6	129.0	127.5 (major) 128.3 (minor)	130.9	128.4 ${}^{1}J_{H} = 161.2$ ${}^{3}J_{H} = 7.5$ ${}^{3}J_{H} = 7.5$	127.1	127.4 (major) 128.1 (minor)	127.1 (major) 127.7 (minor)	128.3	
N1	-178.3	-191.7	-178.6	-152.2	a	а	-177.6 (major) -179.2 (minor)	-176.4	-181.1	
N2	а	-93.9	a	-141.1	a	a	a	a	-94.7	

Table S2. Cont.

^a Not detected.

ORTEP plot (40% Ellipsoid Probability) of 13 and 16 Showing the Labeling of Their Asymmetric Units



Figure S1. (*E*)-5-[β -(3-Fluoro-4-hydroxyphenyl)-ethenyl]-3-phenyl-1*H*-pyrazole (13).



Figure S2. (*E*)-5-[β -(4-Fluoro-3-methoxyphenyl)-ethenyl]-3-phenyl-1*H*-pyrazole (16).



Figure S3. Percentage of inhibition of nNOS, iNOS and eNOS activities in the presence of the tested curcuminoid pyrazoles (1, 7–11) compared to control (0% inhibition). Experimental data represent the means \pm S.E.M. of three independent experiments (n = 3), each one performed in triplicate ^{###} p < 0.001 vs. control.



Figure S4. Percentage of inhibition of nNOS, iNOS and eNOS activities in the presence of the tested curcuminoid pyrazoles (12–16) compared to control (0% inhibition). Experimental data represent the means \pm S.E.M. of three independent experiments (n = 3), each one performed in triplicate ^{##} p < 0.01 ^{###} p < 0.001 vs. control.

Compound	F2′	F3′	F4′	F5′	ОН-3′	nNOS	iNOS	eNOS
1	0	0	0	0	0	2.560	3.265	3.870
7	0	0	0	0	0	3.085	2.280	4.205
8	0	0	0	0	0	1.495	2.320	0.960
9	0	0	0	0	0	4.245	3.175	3.015
10	0	0	0	0	0	1.000	2.400	1.170
11	0	0	0	0	0	0.950	3.105	2.030
12	1	0	0	0	0	65.900	65.800	37.600
13	0	1	0	0	0	36.800	83.700	37.400
14	1	0	1	0	1	24.100	33.600	40.300
15	1	0	0	1	0	38.900	36.300	44.200
16	0	0	1	0	0	21.700	46.000	39.300

Table S3. Free Wilson matrix used to obtain the statistical results of Table 5.

nNOS = (65.9 ± 2.5) F2' + (36.8 ± 2.5) F3' + (21.7 ± 2.5) F4' - (27.0 ± 3.6) F4' - (63.5 ± 4.4) OH-3', n = 11, R² = 0.995;

iNOS = (65.8 ± 2.8) F2' + (83.7 ± 2.8) F3' + (46.0 ± 2.8) F4' - (29.5 ± 3.9) F4' - (78.2 ± 4.8) OH-3', n = 11, R² = 0.997;

nNOS = (37.6 ± 2.9) F2' + (37.4 ± 2.9) F3' + (39.3 ± 2.9) F4' + (6.6 ± 3.0) F4' - (36.6 ± 4.9) OH-3', n = 11, R² = 0.994.