

# Crystal structures of (E)-1-(3,4,5-trimethoxyphenyl)-2-nitroethene and (E)-1-(3,4,5-trimethoxyphenyl)-2-nitropropene

Conceição Silva, Antonio J.G.

Giotto, Maria T.S.

Mascarenhas, Yvonne P.

Sepúlveda-Boza, Silvia

Cassels, Bruce K.

The crystal and molecular structures of (E)-1-(3,4,5-trimethoxyphenyl)-2-nitroethene (1),  $C_{11}H_{13}NO_5$ ,  $M_r = 239.2$ , and (E)-1-(3,4,5-trimethoxyphenyl)-2-nitropropene (2),  $C_{12}H_{15}NO_5$ ,  $M_r = 253.3$ , were determined by X-ray diffraction. Compound 1: monoclinic, space group P21/c,  $a = 7.429(2)$ ,  $b = 9.828(3)$ ,  $c = 32.766(2)$  Å,  $\beta = 95.65(2)^\circ$ ,  $V = 2381(1)$  Å<sup>3</sup>,  $Z = 8$ . Compound 2: monoclinic, space group P21/c,  $a = 8.888(3)$ ,  $b = 13.650(3)$ ,  $c = 10.369(3)$  Å,  $\beta = 94.04(2)^\circ$ ,  $V = 1255(1)$  Å<sup>3</sup>,  $Z = 4$ . Compound 1 exhibits no unusual structural features. Compound 2 shows a side chain out of the ring plane and with expanded valence angles.