

HR-MS (EI) Calcd for C₂₀H₁₇N₃SO₂: 363.1042; Found: 363.1044.

3-Phenyl-5-[1-(phenylsulphonyl)-hex-5-yn]-1,2,4-triazine (3b):

M.p. 102-103°C.

IR (KBr, cm⁻¹): 3295 (C≡C-H), 1370 & 1170 (SO₂).

¹H NMR (CDCl₃, 200 MHz) 1.40-1.62 (m, 2 H, CH₂), 1.95 (t, J = 2.6 Hz, 1 H, C≡CH), 2.23 (td, J₁ = 6.8 Hz, J₂ = 2.6 Hz, 2 H, CH₂), 2.47-2.61 (m, 2 H, CH₂), 4.43 (dd, J₁ = 9.9 Hz, J₂ = 5.3 Hz, 1 H, CH(SO₂Ph)), 7.40-7.66 (m, 8 H, H-Ar), 8.20-8.28 (m, 2 H, H-Ar), 9.26 (s, 1 H, H-triazine).

MS (EI), m/z (% rel. int.): 377 (2, M⁺), 376 (4), 311 (11), 208 (40), 105 (100), 104 (34), 103 (29), 79 (33), 77 (48), 65 (11), 51 (9).

HR-MS (EI) Calcd for C₂₁H₁₉N₃SO₂: 377.1198; Found: 377.1192.

References

1. Prepared from methyl phenyl sulphone and corresponding 4-iodo-1-butyne or 5-iodo-1-pentyne, under argon in dry THF at -78°C to r.t., in presence of BuLi (modified procedure of: Taylor, E.C.; Macor, J.E.; French, L.G. *J. Org. Chem.* **1991**, *56*, 1807).
2. a) Huang, J.J. *J. Heterocycl. Chem.* **1985**, *22*, 1329. b) Rykowski, A.; Branowska, D.; Makosza, M.; van Ly, P. *J. Heterocycl. Chem.* **1996**, *33*, 1567.

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