**4-(5-(Phenethylthio)-[1,2,4]triazolo[4,3-a]pyrazin-3-yl)benzonitrile, OSM-S-188**

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Representative Example: http://malaria.ourexperiment.org/uri/57d

Prepared according to General Procedure **D** from: **OSM-S-219** (103 mg, 0.40 mmol, 1.0 equiv.), phenylethyl mercaptan (60 μL, 60 mg, 0.4 mmol, 1.0 equiv.), KOH (74 mg, 1.3 mmol, 3.3 equiv.) and 18-crown-6 (8 mg, 0.03 mmol, 0.08 equiv.); 40 ˚C, 1 h; purified by automated flash chromatography over silica (Biotage Isolera, 50–100% EtOAc in hexanes) to give the title compound as pearlescent creamy crystals (55 mg, 38%); **m.p.** 237–238 °C; **IR** νmax (film)/cm-1 2324, 1450, 1273; **1H NMR** (500 MHz; DMSO-d*6*) δ: 8.43 (1H, d, *J* 5.0), 8.16–8.10 (4H, m), 7.89 (1H, d, *J* 5.0), 7.34–7.23 (5H, m), 3.61 (2H, tapp, *J* 8.0, 7.5), 3.06 (2H, t, *J* 7.5); **13C NMR** (126 MHz; DMSO-d*6*) δ: 153.1, 146.4, 144.1, 139.9, 133.2, 130.1, 129.9, 129.0, 128.6, 128.4, 126.4, 118.3, 113.5, 112.8, 54.9, 34.4; **m/z** (APCI+) 358 [M+H]+; **HRMS** (ESI+) found 358.11199 ([M+H]+), C20H16N5S requires 358.11209.

*N#CC(C=C1)=CC=C1C2=NN=C3C=NC=C(SCCC4=CC=CC=C4)N32*

*InChI=1S/C20H15N5S/c21-12-16-6-8-17(9-7-16)20-24-23-18-13-22-14-19(25(18)20)26-11-10-15-4-2-1-3-5-15/h1-9,13-14H,10-11H2*