**4-(5-(2-Chlorophenethoxy)-[1,2,4]triazolo[4,3-a]pyrazin-3-yl)benzonitrile, OSM-S-189**



Representative Example: http://malaria.ourexperiment.org/uri/58a

Prepared according to General Procedure **D** from: **OSM-S-219** (107 mg, 0.42 mmol, 1.0 equiv.), 2-chlorophenethyl alcohol (60 μL, 60 mg, 0.4 mmol, 1.0 equiv.), KOH (78 mg, 1.4 mmol, 3.5 equiv.) and 18-crown-6 (8 mg, 0.03 mmol, 0.08 equiv.); 40 ˚C, 1 h; purified by flash chromatography over silica (manual, 50–100% EtOAc in hexanes) to give the title compound as pearlescent creamy crystals (78 mg, 53%); **m.p.** 183–185 ˚C; **IR** νmax (film) /cm-1 2229, 1611, 1507, 1369, 1298;**1H NMR** (400 MHz, DMSO-d*6*) δ: 9.10 (1H, s), 7.87–7.81 (4H, m), 7.72 (1H, s), 7.40 (1H, dd, *J* 8.0, 1.2), 7.24 (1H, tdapp, *J* 7.7, 1.7), 7.13 (1H, tdapp, *J* 7.5, 1.3), 6.90 (1H, dd, *J* 7.7, 1.6), 4.58 (2H, t, *J* 6.4), 2.99 (2H, t, *J* 6.4); **13C NMR** (101 MHz, DMSO-d*6*) δ: 147.6, 144.9, 143.8, 135.1, 134.4, 133.1, 132.4, 131.4, 131.3, 130.3, 129.2, 128.5, 127.1, 118.5, 112.2, 109.3, 68.9, 31.3; **m/z** (APCI+) 376 [M+H]+; **HRMS** (ESI+) found 376.09585 ([M+H]+), C20H15ClN5O requires 376.09596.

*N#CC(C=C1)=CC=C1C2=NN=C3C=NC=C(OCCC4=CC=CC=C4Cl)N32*

*InChI=1S/C20H14ClN5O/c21-17-4-2-1-3-15(17)9-10-27-19-13-23-12-18-24-25-20(26(18)19)16-7-5-14(11-22)6-8-16/h1-8,12-13H,9-10H2*