Representative Example:

Prepared according to General Procedure **D** from: **OSM-S-X** (0.20 g, 0.78 mmol, 1.0 equiv.), pyridin-2-ylmethanol (109 mg, 1.10 equiv.), KOH (0.15 g, 2.6 mmol, 3.3 equiv.) and 18-crown-6 (20 mg, 80μmol, 0.10 equiv.); 40 ˚C, 1.5 h; purified by automated flash column chromatography over silica (Biotage Isolera, 50–100% EtOAc in petroleum benzine) to give the title compound as a pale brown needles (85 mg, 32% yield);

Pyridin-2-ylmethanol (109 mg, 1 equiv.) was similarly stirred with the triazolopyrazine core (1.0 mmol) and toluene (10 ml) as solvent for approximately 20 minutes using the KOH (393 mg, 7.00 mmol, 3.5 equiv.) and 18-crown-6 (37 mg, 140 μmol, 0.1 equiv.) as a catalyst system in the reaction flask. To complete the TLC analysis and column purification, the solvent system used was 90:9:1 ethyl acetate:methanol:ammonia solution, revealing that the reaction had proceeded to completion. The reaction mixture was diluted with water (5 ml) before being washed four times with EtOAc (10 ml each time), preserving the organic upper layer each time as the aqueous layer was washed. Sufficient brine and magnesium sulfate were added before the mixture was filtered. The filtrate was transferred to a round bottom flask before being put in the rotary evaporator under low pressure. This crude mixture was purified through column chromatography using the 90:9:1 ethyl acetate:methanol:ammonia solvent system. Two fractions of test tubes 5-9 and 10-14 yielded absorption in the appropriate wavelengths, suggesting presence of the product in those fractions. The fractions were removed and collected for rotary evaporation under low pressure until a solid product was observed. Synthesized yielded (58 mg, 0.17 mmol, 17%) Mp 191-192 OC; δH (200 MHz, CDCl3) 9.06 (d, *J* = 4.6 Hz, 1 *H*), 8.58 (s, 2 *H*), 7.67-7.61 (m, 2 *H*), 7.50 (d, *J* = 3.8 Hz, 1 H), 7.25-7.23 (m, 8 *H*), 7.02-6.98 (m, 1 *H*) 6.98-6.85 (m, 1 *H*). δC (500 MHz; *d*-DMSO) 164, 161, 154, 150, 148, 145, 144, 137, 135, 132, 124, 123, 114, 114, 110, 106, 73, 40; HRMS (ESI) 362.01 ([M+Na]+), calcd. for C18H13N5O3Na+ 362.29.