**Methyl 2-(3,4-difluorophenyl)-2-hydroxyacetate, OSM-S-222**



Representative Example: <http://malaria.ourexperiment.org/uri/48d>

Crude **OSM-S-329** (1.42 g) was dissolved in MeOH (10 mL), a few drops of H2SO4 were added and the reaction mixture stirred at 80 ˚C for 14 h. The reaction mixture was poured over water (20 mL) and extracted into EtOAc (3 × 20 mL). Combined organic layers were dried (MgSO4­­­­), filtered and evaporated to give an amber oil (1.27 g). The crude material was filtered over a pad of silica (EtOAc) to give the title compound as a yellow oil (1.12 g, 79% yield over three steps from **OSM-S-226**); **IR** νmax (film) /cm-1 XX; **1H NMR** (300 MHz, CDCl­3) δ: 7.30–7.24 (1H, m), 7.16–7.10 (2H, m), 5.14 (1H, s), 3.79 (3H, s); **13C NMR** (76 MHz, CDCl­3) δ: 173.4, 150.4 (d, *J* 248.4), 150.3 (d, *J* 248.8), 135.0 (m), 122.6, 17.4 (d, *J* 17.8), 115.7 (d, *J* 18.7), 71.7. 53.3; **19F{1H} NMR** (282 MHz, CDCl3) δ: XX; **HRMS** (XX) found XX [M+X]+, XXrequiresXX.

*FC1=C(F)C=C(C(C(OC)=O)O)C=C1*

*InChI=1S/C9H8F2O3/c1-14-9(13)8(12)5-2-3-6(10)7(11)4-5/h2-4,8,12H,1H3*

Data and preparation in accordance with CRO briefing document.[[1]](#endnote-1)

All approaches: <http://malaria.ourexperiment.org/uri/5e2>

1. CRO Briefing Document Link [↑](#endnote-ref-1)