**Methyl 2-methoxy-2-phenylacetate,** **OSM-S-337**

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Representative example: <http://malaria.ourexperiment.org/uri/6cc>

**OSM-S-336** (500 mg, 3.01 mmol, 1 equiv.) was dissolved in DMF (6 mL) under Ar. Cs2CO3 (980 mg, 3.01 mmol, 1 equiv.) was added and the reaction mixture was stirred at rt for 10 min. MeI (0.2 mL, 3.31 mmol, 1.1 equiv.) was added and the reaction stirred at rt for 20 h. The reaction mixture was diluted with EtOAc (12 mL) and washed with water (5 x 8 mL). Combined aqueous layers were washed withe EtOAc (10 mL) and then combined organic layers were washed with brine (6 mL), dried (MgSO4), filtered and evaporated to give a crude orange oil (560 mg) which was purified by automated flash chromatography (Biotage Isolera, 15-100% EtOAc in hexanes) to give the title compound as a colourless oil (242 mg, 1.34 mmol, 45%); **IR** νmax (film) /cm-1 XX; **1H NMR** (400 MHz, CDCl3) δ: 7.46–7.42 (2H, m), 7.40–7.33 (3H, m), 4.78 (1H, s), 3.72 (3H, s), 3.41 (3H, s); **13C NMR** (126 MHz, CDCl3) δ: 171.1, 136.2, 128.8, 128.7, 127.2, 82.6, 57.4, 52.3; **HRMS** (XX) found XX [M+X]+, XXrequiresXX.

*O=C(OC)C(OC)C1=CC=CC=C1*

*InChI=1S/C10H12O3/c1-12-9(10(11)13-2)8-6-4-3-5-7-8/h3-7,9H,1-2H3*

Preparation adapted from the literature.[[1]](#endnote-1)

1. Dueno EE, Chu F, Kim S-I, Jung KW (1999), Cesium promoted O-alkylation of alcohols for the efficient ether synthesis, *Tetrahedron*, 40:1843­­­­–1846*. (*10.1016/S0040-4039(99)00083-0) [↑](#endnote-ref-1)