

# NMR Analysis for V4148701 Cy5.5 (Sulfo-Cyanine5.5)

$^1\text{H}$  NMR (400 MHz, DMSO)  $\delta$  9.03 (dd,  $J = 9.2, 6.0$  Hz, 2H), 8.54 – 8.41 (m, 4H), 8.21 (d,  $J = 1.5$  Hz, 2H), 7.77 (dd,  $J = 9.5, 2.4$  Hz, 2H), 6.66 (t,  $J = 12.3$  Hz, 1H), 6.40 (dd,  $J = 13.8, 4.8$  Hz, 2H), 4.28 (d,  $J = 13.6$  Hz, 4H), 2.23 (t,  $J = 7.2$  Hz, 2H), 1.98 (d,  $J = 1.8$  Hz, 12H), 1.80 (t,  $J = 7.8$  Hz, 2H), 1.59 (p,  $J = 7.4$  Hz, 2H), 1.45 (d,  $J = 7.8$  Hz, 2H), 1.37 (t,  $J = 7.1$  Hz, 3H).

