Figure S1

**Panel A:** Structures of ST967 and FTY720-P.

**Panel B-D:** Dose response curves for S1P1 and S1P3 activation by S1P and ST967. Increasing concentrations of ST-967 and S1P were applied to CHO cells transfected with empty vector (pcDNA 3.1) (panels B-D), S1P1 (panels B, C) or S1P3 (panel D). Receptor activation was determined using a cAMP accumulation assay (panel B) or a label-free assay (panel C, D). Data are shown as mean of 3-4 independent experiments.

*Figure S1:* ST-967 is an agonist for S1P1 but not for S1P3.
**Figure S2:** Sphingosine level are increased in SPHK2-/- mice. Comparison of sphingosine concentrations in spinal cord sections from wild type, SPHK-1 (SK1)- and SPHK-2 (SK2)-knockout mice. Data are presented as mean ± S.E.M. of 6 wild type, 6 SPHK-1- and 5 SPHK-2-knockout mice. One way Anova/Bonferroni **P≤0.001 .