Supplementary Figures

Figure S1. Effects of Quin-C7 treatment on mFpr2 expression and CNS inflammation in groups of sham control mice.

(**A**) Histograms showing mFpr2-expressing microglia in WT, sham + vehicle, and sham + Quin-C7 (32 mg/kg/day) mice. (**B**) Bar graphs showing the MFI of mFpr2 in microglia between WT, sham + vehicle, and sham + Quin-C7 (32 mg/kg/day) mice. (**C**) 9.4T-T2 weighted MR images showing brain lesions within the axial position in sham + vehicle, and sham + Quin-C7 (32 mg/kg/day) mice on day 4. (**D-E**) Immune cell numbers in the brain (**D**) and spleen (**E**) of vehicle or 32 mg/kg/day Quin-C7 treated-sham mice. n = 6 mice per group. Data are presented as mean \pm SEM.



Sham + Vehicle	(THE)	243		-		(C # O
Sham + Quin-C7 32 mg/kg/d	640	1	(1)		(P#3)	640



D

Ε

Figure S2. Immunostaining of mFpr2-expressing brain-resident cells in NMOSD mice.

Brain sections from sham or NMOSD mice were stained with mFpr2, in combination with Iba1, NeuN, or GFAP, to assess mFpr2-expressing microglia, neurons, or astrocytes, respectively. (**A**) Immunostaining images showing mFpr2-expressing microglia, neurons and astrocytes on day 4 in groups of sham and NMOSD mice. (**B**) Bar graphs showing the number of mFpr2-expressing microglia, neurons or astrocytes on day 4 in sham and NMOSD mice. Scale bar, 100 μ m. n = 6 mice per group. Data were presented as mean \pm SEM, ***P* < 0.01.









