

Figure S1. Pan-SHIP1/2 Inhibition induces AKT phosphorylation on serine 473. Box & whisker plots of p-AKT on (A) BV-2, SIMA-9 and (B) primary microglia with representative histogram for primary microglia K161 treated versus diluent control. Each plot is representative of three independent experiments and was analyzed with two-tailed T-test with Welch's correction (** $p < 0.01$, *** $p < 0.001$, **** $p < 0.0001$).

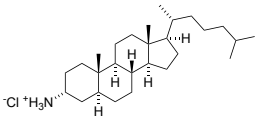
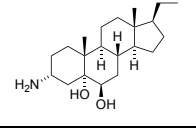
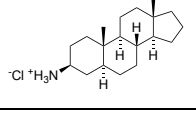
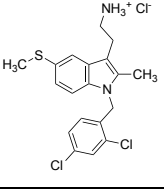
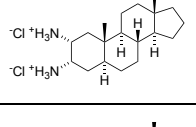
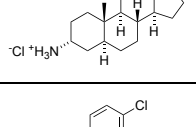
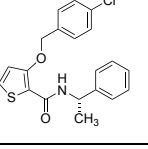
Compound	Structure	IC ₅₀ SHIP1 (μ M)	IC ₅₀ SHIP2 (μ M)	References
3AC (K100)		10	ND	(Brooks et al., 2010)
K116		1.5-6	6.5-13	-
K118		16	25	(Srivastava, 2016, Gumbleton et al., 2017)
K149		20-30	30	(Hoekstra et al., 2016)
K161		6	5-10	-
K185		18	30	-
AS1949490		13	0.6	(Suwa et al., 2009)

Table S1: Relative IC₅₀ and structures of inhibitory compounds for SHIP1 and/or SHIP2 enzyme activity based on a fluorescence polarization assay. ND, none detected (at 1mM by a Malachite Green assay of SHIP2 activity). (Brooks et al., 2010)