Antinociceptive and analgesic effects of (2R,6R)-hydroxynorketamine

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Supplementary Figure. Data from Figures 1 & 2 displayed as percentage of maximum possible effect (%MPE), calculated according to the following equation: %MPE = [(latency – baseline latency) / (cut off time – baseline latency)] x 100. Panel A: Ketamine antinociception as %MPE. Panel B: (2R,6R)-HNK and (2S,6S)-HNK antinociception as %MPE. (2R,6R)-HNK antinociception in male mice (Panel C) compared to that of female mice (Panel D) expressed as %MPE. Results of the two-way ANOVA for panels A & B are as follows: Treatment – F(4, 90) =
4.606, \( P = 0.0020 \). Time – \( F(3.6, 321.9) = 8.378, P < 0.0001 \). Time x Treatment – \( F(16, 360) = 10.96, P < 0.0001 \). Results of the two-way ANOVA for male mice are as follows: Treatment – \( F(1, 58) = 3.121, P = 0.0825 \). Time – \( F(2.9, 168.3) = 4.779, P = 0.0035 \). Time x Treatment – \( F(3, 174) = 4.499, P = 0.0046 \). Results of the two-way ANOVA for female mice are as follows: Treatment – \( F(1, 70) = 8.886, P = 0.0039 \). Time – \( F(2.7, 188.4) = 13.07, P < 0.0001 \). Time x Treatment – \( F(3, 210) = 3.381, P = 0.0192 \).