Supplementary Figure 1. Melatonin improved ovarian structures, reduced MDA5 and Caspase3 expression. A. Representative images of HE staining for ovarian histomorphology (original magnification 100×). B. Representative images of IHC results of MDA5 in the ovaries (original magnification 100×) and reduced mean density of MDA5. C. Representative images of IHC results of Caspase3 in the ovaries (original magnification 100×) and decreased mean density of Caspase3.
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Supplementary Figure 2. SIRT1 inhibitor Ex527 blocked melatonin’s protective effects on ovarian structures, and increased MDA5 and Caspase3 expression. A. Representative images of HE staining for ovarian histomorphology (original magnification 100×). B. Representative images of IHC results of MDA5 in the ovaries (original magnification 100×) and increased mean density of MDA5. C. Representative images of IHC results of Caspase3 in the ovaries (original magnification 100×) and increased mean density of Caspase3.
Supplementary Figure 3. Melatonin receptor antagonist luzindole blocked melatonin’s protective effects on ovarian structures, and increased MDA5 and Caspase3 expression. A. Representative images of HE staining for ovarian histomorphology (original magnification 100×). B. Representative images of IHC results of MDA5 in the ovaries (original magnification 100×) and increased mean density of MDA5. C. Representative images of IHC results of Caspase3 in the ovaries (original magnification 100×) and increased mean density of Caspase3.