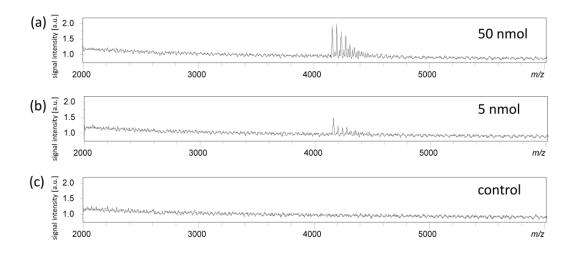


**Figure S1. Measurement of mouse muscle sections washed with organic solvents.** The ion image of ASO-1 was reconstructed from an organic solvent-washed tissue (a) and a before washing tissue (b) sample.



**Figure S2. Measurement of mouse muscle sections.** Mass spectra obtained from the sections administered with 50 nmol (a), 5 nmol (b) ASO-1, and control section (c).

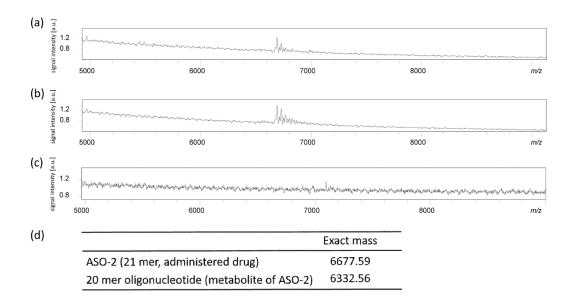


Figure S3. Measurement of rat eye sections. Measurement of rat eye sections. Mass spectra obtained from the tissue immediately (a), 30 min (b) after administration of ASO-2, and control section (c). Exact masses of ASO-2 (21 mer) and single base decomposed oligonucleotide (20 mer) (d).

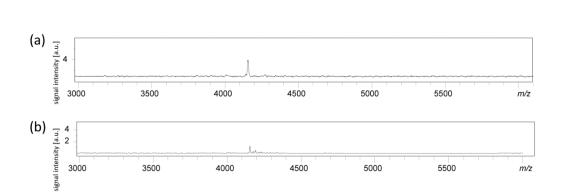


Figure S4. Comparison of signal intensities of 0.25 pmol ASO-1 on glass (a) and 25 pmol ASO-1 on tissue (b).