

Supplementary Information

Quantitative analysis of direct oral anticoagulant rivaroxaban by terahertz spectroscopy

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Acronyms list

TD: thrombosis disease

LC-MS/MS: liquid chromatography-tandem mass spectrometry

THz: terahertz

DFT: density functional theory

HDPE: high-density polyethylene powder

DMSO: dimethyl sulfoxide

FTIR: Fourier transform infrared spectrophotometer

w: wagging

r: rocking

tw: twisting

Ph: benzene ring (phenyl group)

LoD: lowest detection limit

PT: prothrombin time

INR: international normalized ratio

2.17 THz

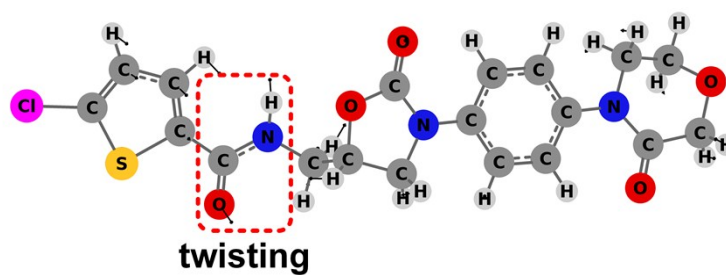


Fig. S1. Molecular motion of rivaroxaban, corresponding to the experimental THz peak at 2.17 THz