

Supplementary material to :

# **Unequal behavior among hydrolyzable functions of nirmatrelvir under stress conditions in preformulation studies: structural and theoretical studies**

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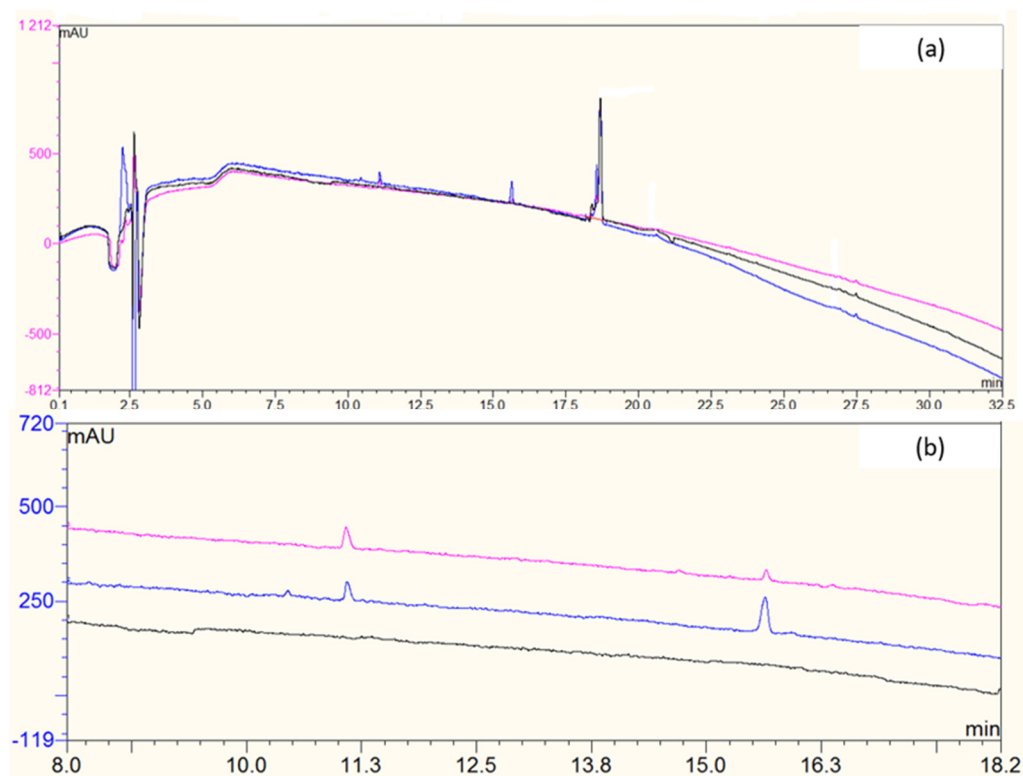


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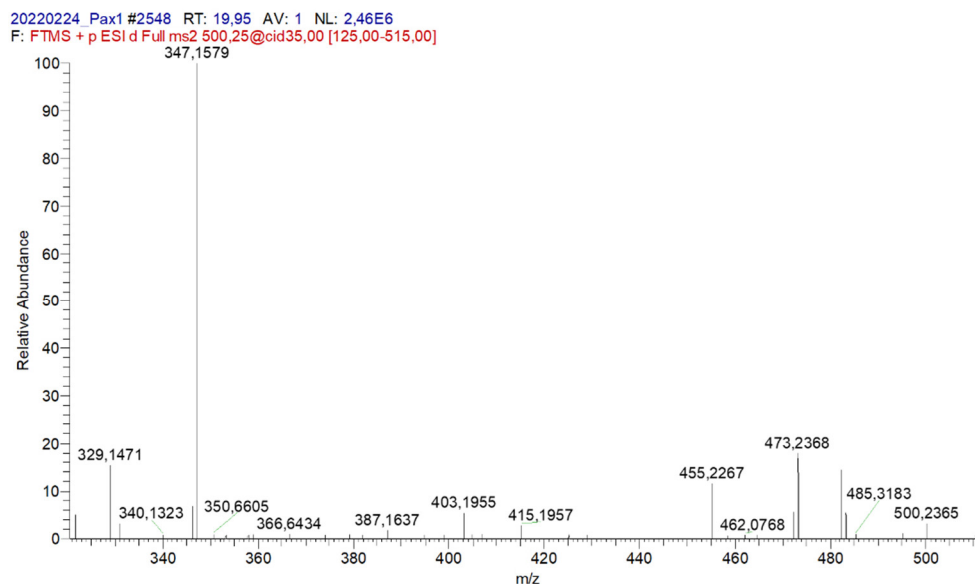


Figure S2: LC-HRMS<sup>2</sup> mass spectrum of protonated nirmatrelvir.

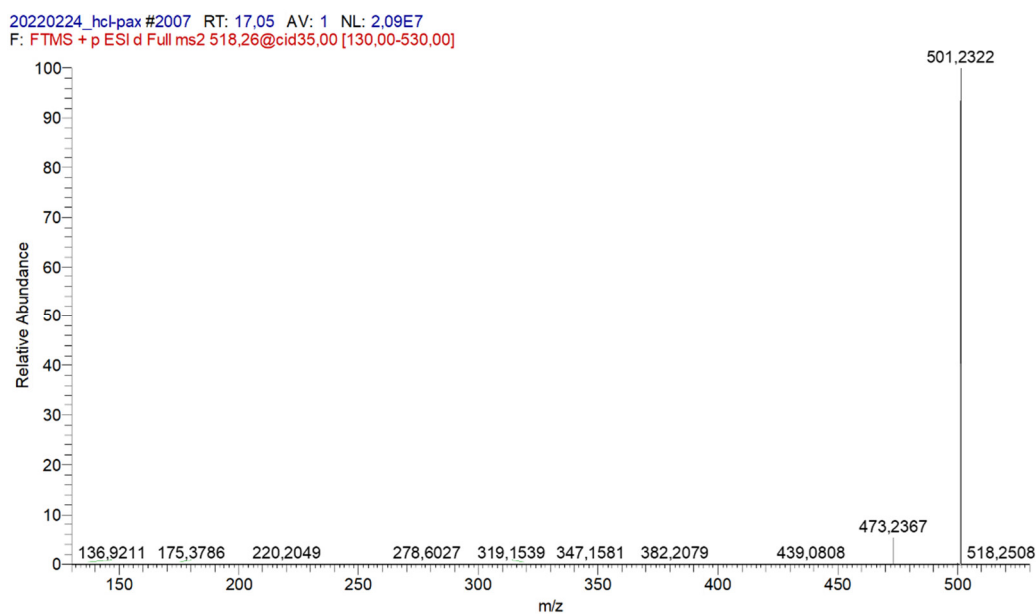


Figure S3: LC-HRMS<sup>2</sup> mass spectrum of protonated DP<sub>517</sub>.

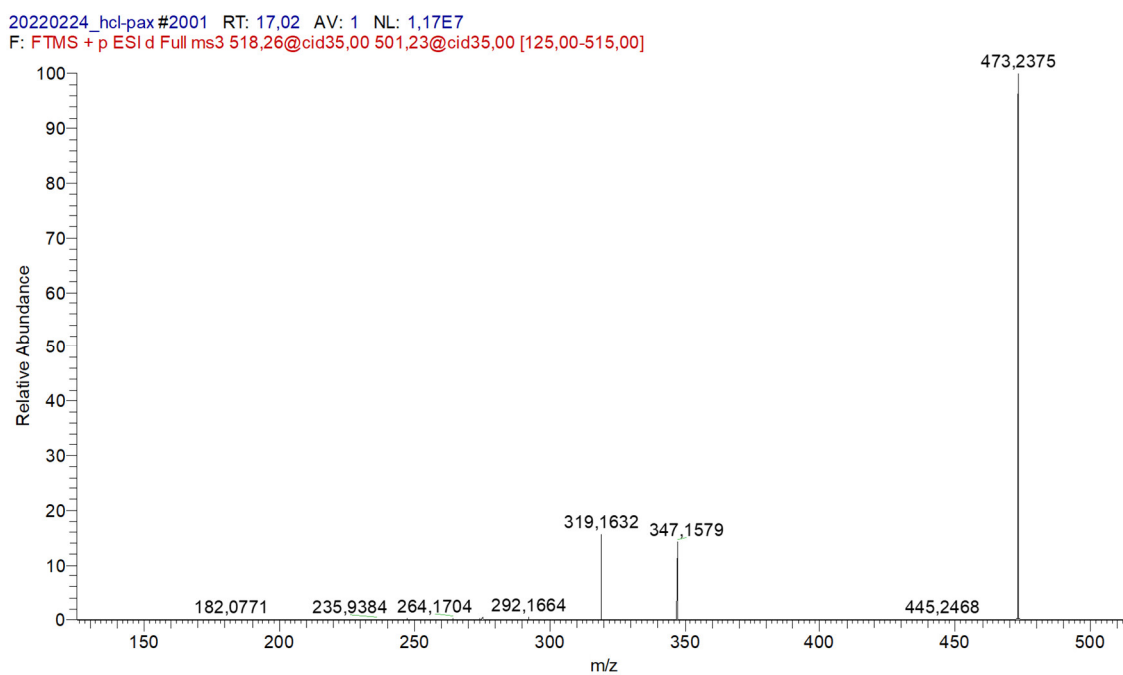


Figure S4: LC-HRMS<sup>3</sup> mass spectrum of the ion of mass to charge ratio 501 obtained after fragmentation of protonated DP<sub>517</sub>.

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F: FTMS + p ESI d Full ms2 404,26@cid35,00 [100,00-415,00]

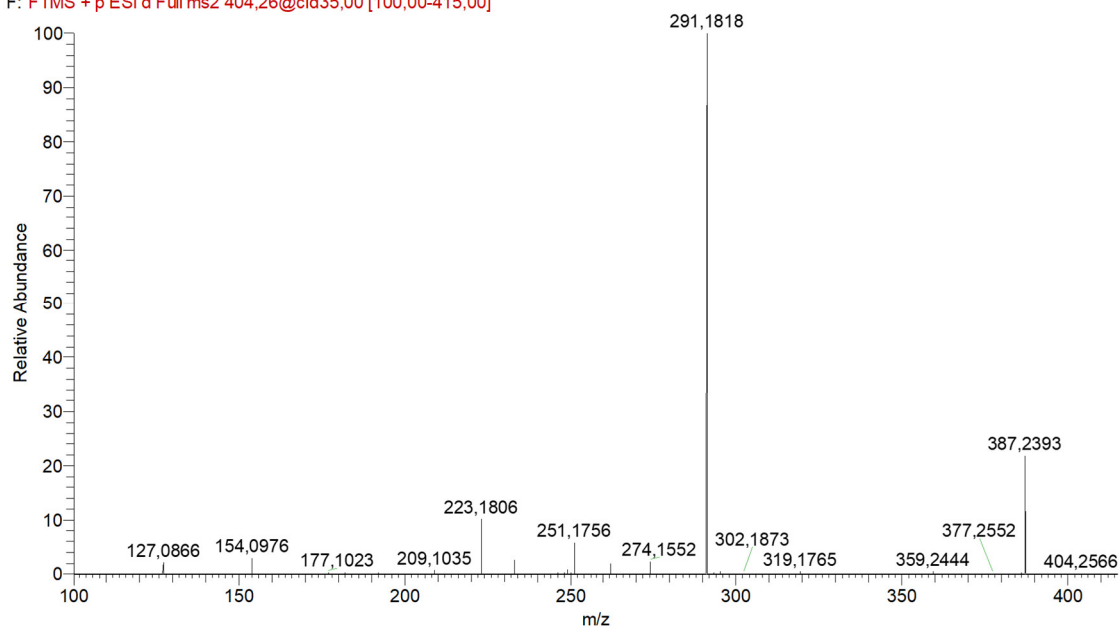


Figure S5: LC-HRMS<sup>2</sup> mass spectrum of protonated DP<sub>403</sub>.

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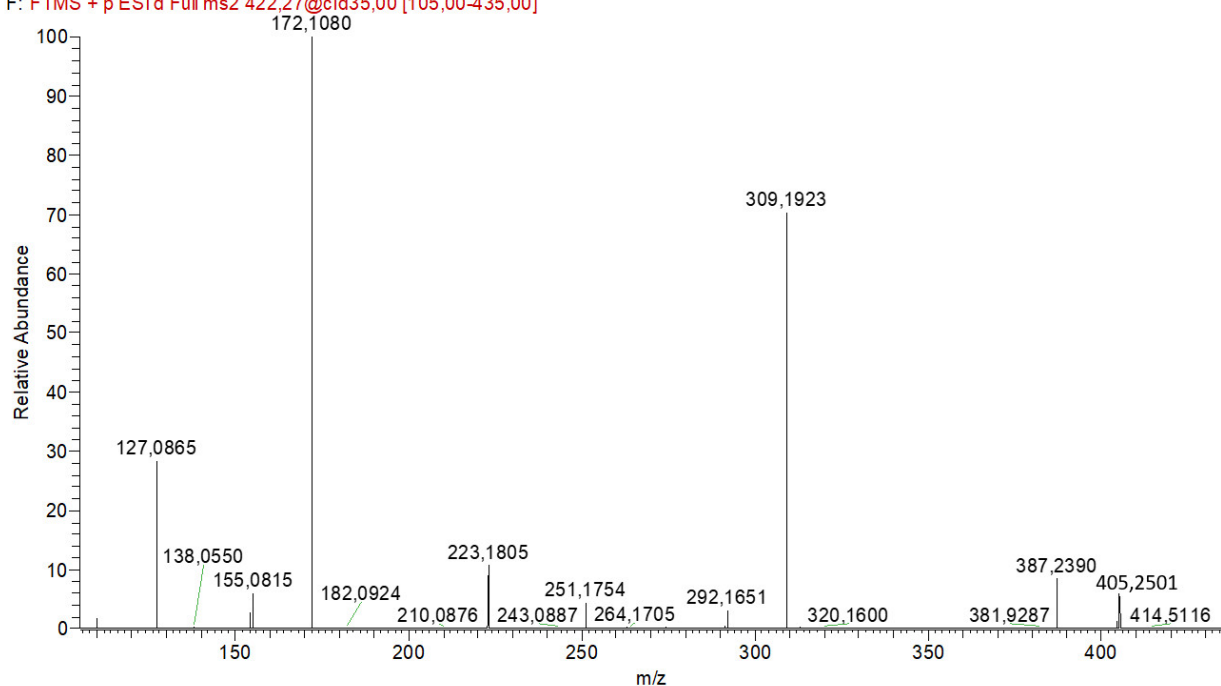


Figure S6: LC-HRMS<sup>2</sup> mass spectrum of protonated DP<sub>421</sub>.