

Electronic Supplementary Information

Development of a caffeic acid-phthalimide hybrid compound for NADPH oxidase inhibition

Willian Henrique dos Santos¹, Maurício Yoguim¹, Regina Gomes Daré², Luiz Carlos da Silva-Filho¹, Sueli Oliveira Silva Lautenschlager² and Valdecir Farias Ximenes^{1,*}

¹Department of Chemistry, Faculty of Sciences, UNESP - São Paulo State University, 17033-360, Bauru, São Paulo, Brazil. ²Department of Pharmaceutical Sciences, Maringá State University (UEM), Maringá, Paraná, Brazil.

*Correspondence should be addressed to Valdecir Farias Ximenes.

Tel.: +55 14 3301-6088

<http://orcid.org/0000-0003-2636-3080>

Email: valdecir.ximenes@unesp.br

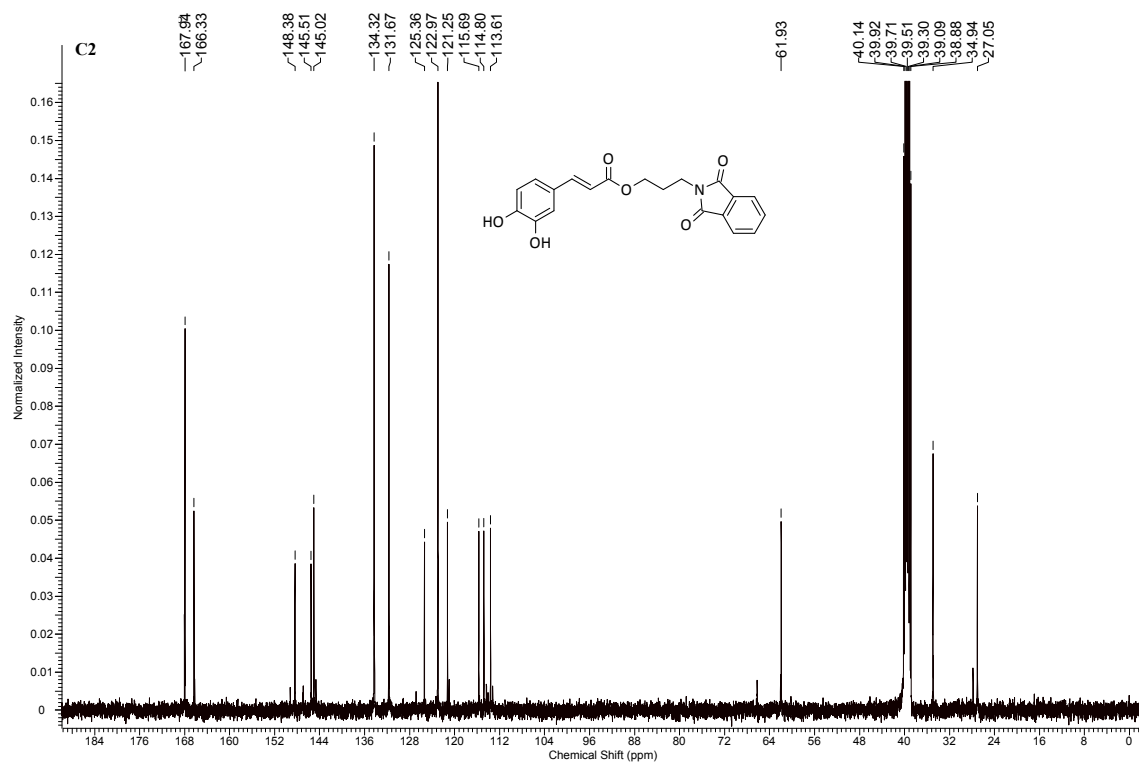
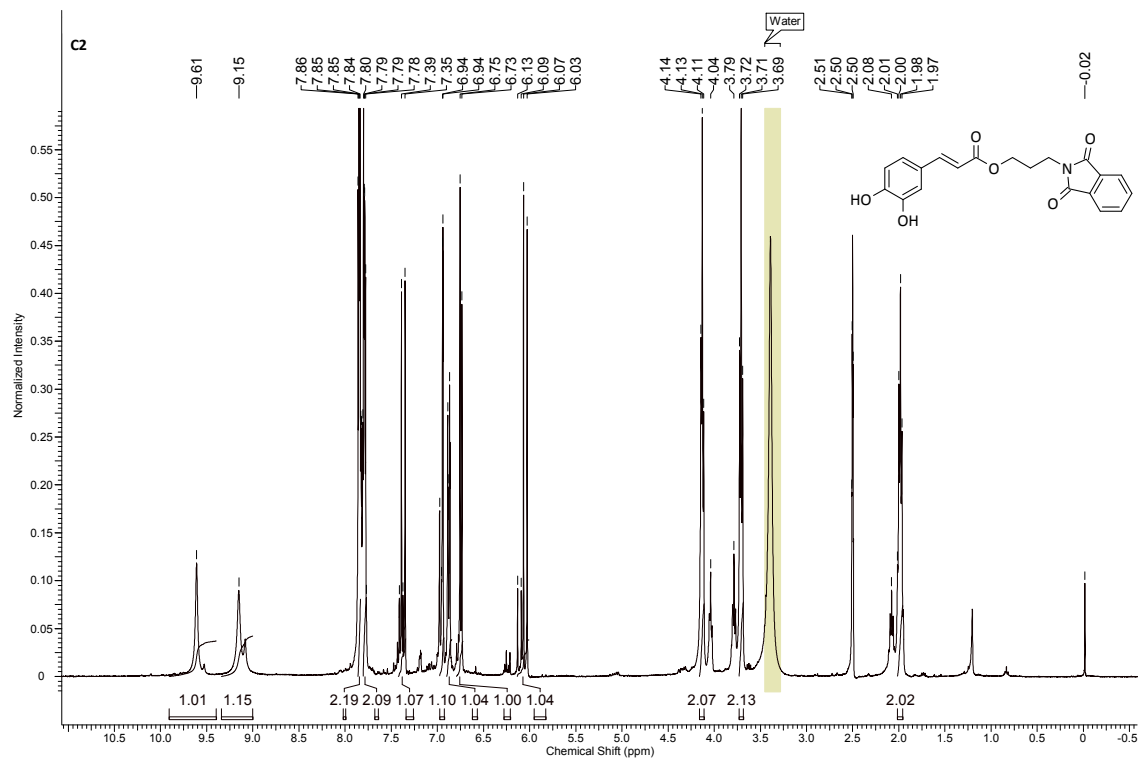


Fig S1. RMN ^1H and ^{13}C spectra for compound C2 in DMSO-d_6 .

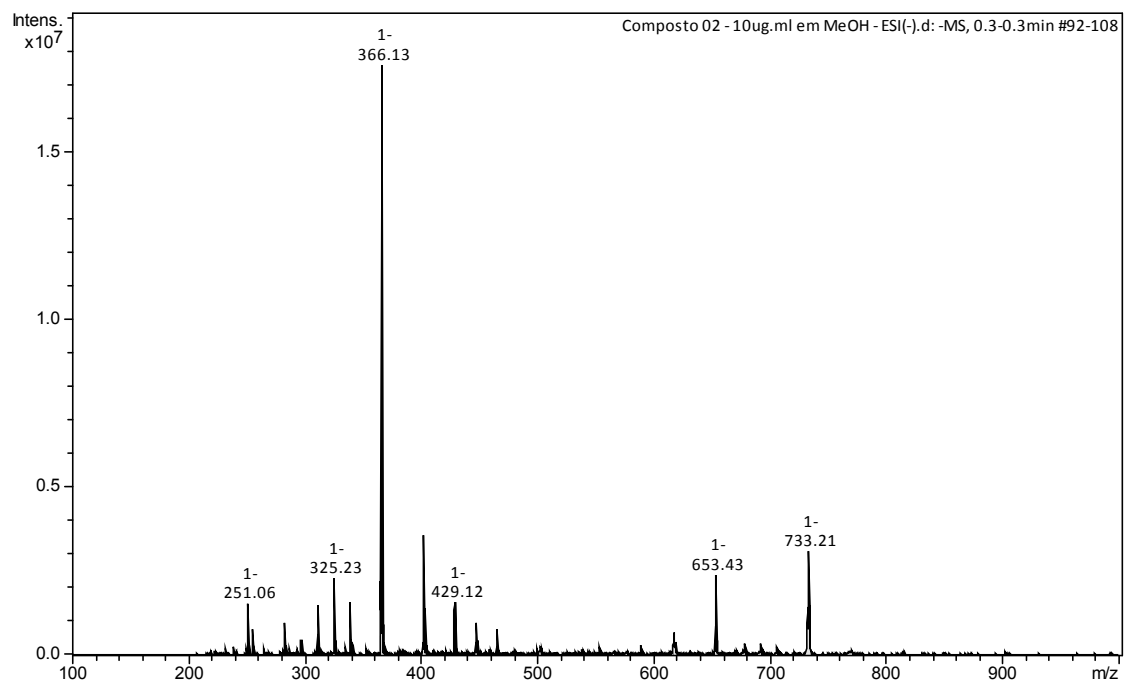


Fig S2. MS spectrum for compound C2.

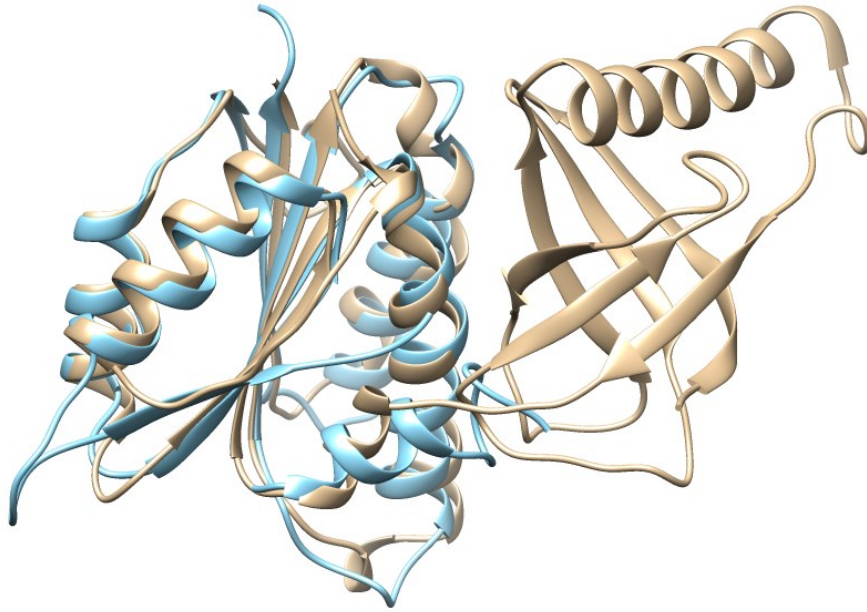


Fig S3. Structural superposition of NOX2 (PDB 3A1F – blue) and NOX5 (PDB 5O0X – brown). The study was performed using the UCSF Chimera software (RMSD 1.518). The FAD-binding domain is absent in NOX2.