**Supplementary Information**

**Type the Title of Your Manuscript Here. Capitalize any Relevant Word. Style: Times New Roman 12P, centered, bold**

***Author Name,a Author Name,a Author Name,b Author Name,b
and Author Name *** *\*****,a***

*aType affiliation of authors from Institution a Style: Times New Roman 11P, centered, italics*

bType affiliation of authors belonging to Institution b

Sub-section title in Calibri 10.5P

 This material will be available only online, in the JBCS Page as PDF file, and totally free of charge. It should contain relevant and complementary data to those presented in the manuscript. Their format can be tables, graphs, spectra, critical input and output data for chemical computations, maps, films and so on. Colors are acceptable.

 Any synthesized or identified compound must be accompanied by the spectra used for such identification. This is especially important for Natural Products, Organic and Inorganic Chemistry manuscripts in which the characterization/identification techniques are part of the work. Format for the spectroscopic (NMR, IR, etc.) and other data:

Compound name

 [α]*D*25 ‒20.5 (*c* 1.20, CHCl3, *ee* > 99%); mp 130-131 °C; UV-Vis (water) λ / nm 600, 1750; IR (KBr) ν /cm-1 3217, 2950, 2902, 2849, 1594, 1492, 1451, 1426, 1275, 1233, 1189, 1158, 1124, 1071, 1029, 883, 749, 746, 699;
1H NMR (400 MHz, CDCl3) *δ* 4.73 (dd, 1H, *J* 12.0, 8.0 Hz, CH2), 4,82 (dd, 1H, *J* 12.0, 4.0, CH2), 5.36 (dd, 1H, *J* 8.0,
4.0 Hz, CHOH), 7.28-7.30 (m, 1H, Bt-H\*); 13C NMR (100 MHz, CDCl3) *δ* 55.3, 73.1, 109.8, 119.5, 123.8, 125.5, 126.0, 127.3, 128.4, 133.8, 140.5, 145.5; HRMS (ESI) *m/z*, calcd. for C37H28FClN4O3 [M + H]+: 631.1906, found: 631.1916, 603.1823 [M + H ‒ N2]+; anal. calcd. for C37H28FClN4O3: C 70.42, H 4.47, N 8.88, found: C 71.48, H 4.52, N 8.92.

 Equations: use the tool Equation from MS Word, specifying every term (equations should not be added in an image format).

(S1)

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\*e-mail of the corresponding author



**Figure S1.** Type here the figure title. Figures should be numbered sequentially in the Supplementary Information section.

Format for titles of figures:

**Figure S2.** Mass spectrum of compound **5a**.

**Figure S3.** 13C NMR spectrum (100 MHz, DMSO-*d*6) of compound **4**.

**Figure S4.** FTIR (KBr) spectrum of compound **8j**.

**Table S1.** Type here the title of the Tablea,b,c,d

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aStyle for column text: Times New Roman 10, centered, not indented, spacing 1.5. Justified the table in the page. Use horizontal lines to separate Table sections. Avoid employing vertical rulers; bstyle for Table footnotes: Times New Roman 8; cstyle for chemical structure graphics of Scheme-Tables: Arial; donly compound numbers must be in bold letter.

**Table S2.** Type here the title of the Tablea,b,c

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| Value 1 / unit | Value 2 / unit | Value 3 / unit |
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**Table S2.** Type here the title of the Tablea,b,c (cont.)

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aIf the table has more than one page, the title and the header should be in every page and the footnote should be only at the end of the table; bonly the page containing the table should be horizontal; cjustified the table in the page.

**References**

The references of the SI section should be renumbered (do not follow the numbering of the main article)

1. Macrino, C. J.; Borges, A. S.; Cunha Neto, A.; Lacerda Jr., V.; Romão, W.; *J. Braz. Chem. Soc.* **2022**, *33*, 173. [https://dx.doi.org/10.21577/0103-5053.20210134]

2. Guarieiro, A. L. N.; Eiguren-Fernandez, A.; da Rocha, G. O.; de Andrade, J. B.; *J. Braz. Chem. Soc.* **2017**, *8*, 1351. [https://dx.doi.org/10.21577/0103-5053.20210046]