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***of Bosnia and Herzegovina***

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|  |  |  |  |
| --- | --- | --- | --- |
| Compds | IC50, nM | Compds | IC50, nMa b |
| **1** | 24.00 | **6** | 1.7 |
| **2** | 0.87 | **7** | 3.0 |
| **3** | 0.59 | **8** | 2.4 |
| **4** | 2.8 | **9** | 2.1 |
| **5**  | 0.91 | **10**  | 9.0 ± 1.9 |

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SI units, or other permissible units, should be employed. The designation of physical quantities should be in Times New Roman font. In text, graphs, and tables, brackets should be used to separate the designation of a physical quantity from the unit. Please do not use the axes of graphs for additional explanations; these should be mentioned in the figure captions and/or the manuscript (example: “pressure at the inlet of the system, kPa” should be avoided).

*Percents* and *per mills*, although not being units in the same sense as the units of dimensioned quantities, can be treated as such. Unit symbols should never be modified (for instance: w/w %, vol.%, mol.% ) but the quantity measured has to be named, *e.g.* mass fraction, *w*=95 %; amount (mole) fraction, *x*=20 %.

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Decimal numbers must have decimal points and not commas in the text (except in the Bosnian/Croatian/Serbian abstract), tables and axis labels in graphical presentations of results. Thousands are separated, if at all, by a comma and not a point.

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The manuscript must contain, each on a separate page, the title page, abstract in English, (abstract in Bosnian/Croatian/Serbian), graphical abstract (optional), main text, list of references, tables (each table separately), illustrations (each separately), and legends to illustrations (all on the same page).

1. ***Title page*** must contain: the title of the paper (bold letters), full name(s) of the author(s), full mailing addresses of all authors (italic), keywords (up to 6), the phone and fax numbers and the e-mail address of the corresponding author.
2. A one-paragraph ***abstract*** written of 150–200 words in an impersonal form indicating the aims of the work, the main results and conclusions should be given and clearly set off from the text. Domestic authors should also submit, on a separate page, a Summary/Sažetak. For authors outside Bosnia and Herzegovina, the Editorial Board will provide a Bosnian/Croatian/Serbian translation of their English abstract.
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Warren, J. J., Tronic, T. A., Mayer, J. M. (2010). Termochemistry of proton-coupled electron transfer reagents and its implications. *Chemical Reviews*, *110 (12)*, 6961-7001.

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1. Patents:

Healey, P.J., Wright, S.M., Viltro, L.J., (2004). *Method and apparatus for the selection of oral care chemistry*, The Procter & Gamble Company Intellectual Property Division, (No.US 2004/0018475 A1).

1. Chemical Abstracts:

Habeger, C. F., Linhart, R. V., Adair, J. H. (1995). Adhesion to model surfaces in a flow through system. *Chemical Abstracts,* CA 124:25135.

1. Standards:

#### ISO 4790:1992. (2008). *Glass-to-glass sealings - Determination of stresses*.

1. Websites:

Chemical Abstract Service, www.cas.org, (18/12/2010).

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**Reporting analytical and spectral data**

The following is the recommended style for analytical and spectral data presentation:

1. ***Melting and boiling points***:

mp 163–165°C (lit. 166°C)

mp 180°C dec.

bp 98°C

Abbreviations: mp, melting point; bp, boiling point; lit., literature value; dec, decomposition.

1. ***Specific Rotation***:

[a]23D –222 (*c* 0.35, MeOH).

Abbreviations: a, specific rotation; D, the sodium D line or wavelength of light used for determination; the superscript number, temperature (°C) at which the determination was made; In parentheses: *c* stands for concentration; the number following *c* is the concentration in grams per 100 mL; followed by the solvent name or formula.

1. ***NMR Spectroscopy***:

1H NMR (500 MHz, DMSO-*d*6) d 0.85 (s, 3H, CH3), 1.28–1.65 (m, 8H, 4´CH2), 4.36–4.55 (m, 2H, H-1 and H-2), 7.41 (d, *J* 8.2 Hz, 1H, ArH), 7.76 (dd, *J* 6.0, 8.2 Hz, 1H, H-1'), 8.09 (br s, 1H, NH).

13C NMR (125 MHz, CDCl3) d 12.0, 14.4, 23.7, 26.0, 30.2, 32.5, 40.6 (C-3), 47.4 (C-2'), 79.9, 82.1, 120.0 (C-7), 123.7 (C-5), 126.2 (C-4).

Abbreviations: d, chemical shift in parts per million (ppm) downfield from the standard; *J*, coupling constant in hertz; multiplicities s, singlet; d, doublet; t, triplet; q, quartet; and br, broadened. Detailed peak assignments should not be made unless these are supported by definitive experiments such as isotopic labelling, DEPT, or two-dimensional NMR experiments.

1. ***IR Spectroscopy***:

IR (KBr) n 3236, 2957, 2924, 1666, 1528, 1348, 1097, 743 cm–1.

Abbreviation: n, wavenumber of maximum absorption peaks in reciprocal centimetres.

1. ***Mass Spectrometry***:

MS *m/z* (relative intensity): 305 (M+H, 100), 128 (25).

HRMS–FAB (*m/z*): [M+H]+ calcd for C21H38N4O6, 442.2791; found, 442.2782.

Abbreviations: *m/z*, mass-to-charge ratio; M, molecular weight of the molecule itself; M+, molecular ion; HRMS, high-resolution mass spectrometry; FAB, fast atom bombardment.

1. ***UV–Visible Spectroscopy***:

UV (CH3OH) lmax (log e) 220 (3.10), 425 nm (3.26).

Abbreviations: lmax, wavelength of maximum absorption in nanometres; e, extinction coefficient.

1. ***Quantitative analysis***:

Anal. calcd for C17H24N2O3: C 67.08, H 7.95, N 9.20. Found: C 66.82, H 7.83, N 9.16. (All values are given in percentages.)

1. ***Enzymes and catalytic proteins relevant data***:

Papers reporting enzymes and catalytic proteins relevant data should include the identity of the enzymes/proteins, preparation and criteria of purity, assay conditions, methodology, activity, and any other information relevant to judging the reproducibility of the results\*. For more details check Beilstein Institute/STRENDA (standards for reporting enzymology data) commission Web site (http://www.strenda.org/documents.html).

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* References are in the correct format for the journal,
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