Supporting Information

Barbiturate and Thiobarbiturate-Based s-Triazine Hydrazone Derivatives with Promising Anti-Proliferative Activities

Hessa Al Rasheed,a Kholood Dahlous,a Anamika Sharma,b Essam Sholkamy,c Ayman El-Faham,a,d* Beatriz G. de la Torre,e Fernando Albericio*a,b,f,g

aDepartment of Chemistry, College of Science, King Saud University P.O. Box 2455, Riyadh 11451, Saudi Arabia.
bPeptide Science Laboratory, School of Chemistry and Physics, University of KwaZulu-Natal, Durban 4000, South Africa.
cDepartment of Botany and Microbiology, College of Science, King Saud University, P.O. Box 2455, Riyadh 11451, Saudi Arabia.
dChemistry Department, Faculty of Science, Alexandria University, P.O. Box 426, Ibrahimaia, Alexandria 12321, Egypt.
eKRISP, College of Health Sciences, University of KwaZulu-Natal, Westville, Durban 4001, South Africa.
fCIBER-BBN, Networking Centre on Bioengineering, Biomaterials and Nanomedicine, and Department of Organic Chemistry, University of Barcelona, 08028-Barcelona, Spain.
gInstitute for Advanced Chemistry of Catalonia (IQAC-CSIC), Jordi Girona 18-26, 08034 Barcelona, Spain.

Table of Content

| Figure | Description |
|--------|-------------|
| Figure S1 | NMR (1H and 13C) of compound 4c |
| Figure S2 | NMR (1H and 13C) of compound 5a |
| Figure S3 | NMR (1H and 13C) of compound 5b |
| Figure S4 | NMR (1H and 13C) of compound 5c |
| Figure S5 | NMR (1H and 13C) of compound 5d |
| Figure S6 | NMR (1H and 13C) of compound 5e |
| Figure S7 | NMR (1H and 13C) of compound 5f |
| Figure S8 | NMR (1H and 13C) of compound 5g |
| Figure S9 | NMR (1H and 13C) of compound 5h |
| Figure S10 | NMR (1H and 13C) of compound 5i |
| Figure S11 | NMR (1H and 13C) of compound 5j |
| Figure S12 | NMR (1H and 13C) of compound 5k |
Figure S1. NMR ($^1$H and $^{13}$C) of compound 4c
Figure S2. NMR (\textsuperscript{1}H and \textsuperscript{13}C) of compound 5a
Figure S3. NMR (\textsuperscript{1}H and \textsuperscript{13}C) of compound 5b
Figure S4. NMR (\(^1\)H and \(^{13}\)C) of compound 5c
Figure S5. NMR ($^1$H and $^{13}$C) of compound 5d
Figure S6. NMR (\textsuperscript{1}H and \textsuperscript{13}C) of compound 5e
Figure S7. NMR (1H and 13C) of compound 5f
Figure S8. NMR ($^1$H and $^{13}$C) of compound 5g
Figure S9. NMR ($^1$H and $^{13}$C) of compound 5h
Figure S10. NMR ($^1$H and $^{13}$C) of compound 5i
Figure S11. NMR (\(^1\)H and \(^{13}\)C) of compound 5j
Figure S12. NMR (\textsuperscript{1}H and \textsuperscript{13}C) of compound 5k