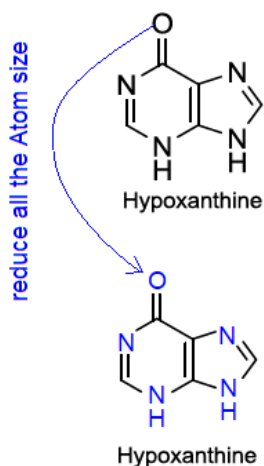


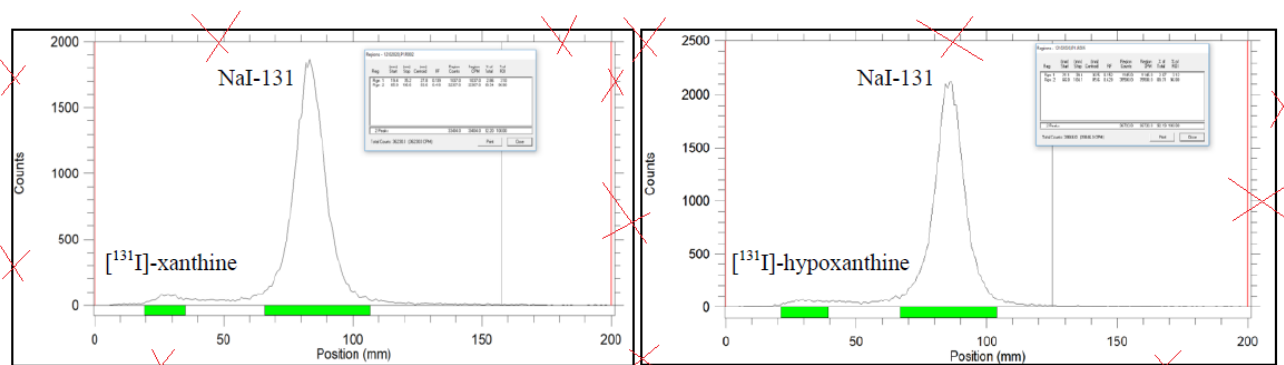
## Radiosynthesis of [ $^{131}\text{I}$ ]-xanthine and [ $^{131}\text{I}$ ]-hypoxanthine: New Radiolabeled Compound Candidates for Theranostics Purposes

1. for aesthetics, please the font size of Atom symbol reduced slightly. Please be changed for all.



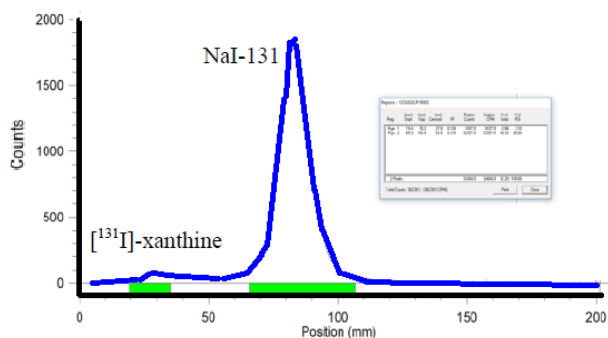
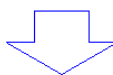
### 2. Fig. 5 and 6

- a) please remove the frame/border;
- b) please make the graph line more thick



262

263 Fig. 5. TLC chromatogram of crude [ $^{131}\text{I}$ ]-xanthine (Entry 7) and [ $^{131}\text{I}$ ]-hypoxanthine (Entry 9) after reaction in acidic  
264 conditions (eluent = MeOH/H<sub>2</sub>O (25:75%)).



3. → it is better to use passive sentence

## 335 CONCLUSIONS

336 In the present study, we have successfully  
337 radiosynthesised new [<sup>131</sup>I]-3,7-dihydropurine-2,6-  
338 dione ([<sup>131</sup>I]-xanthine) and [<sup>131</sup>I]-1,9-dihydro-6H-

## 4. References:

33% (10 of 30) references has been published more than five years.

→ Please have a look the Atom Indonesia Guidelines

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- 381 5. M. Pretze, C. Neuber, E. Kinski et al., Org 438  
382 Biomol Chem. 18 (2020) 3104. 439
- 383 6. E. M. Widyasari, E. Kusumawardhany, R. J. 440 19. M. T. Ercan and M. Caglar, Curr Pharm Des. 6  
384 Sugiharti et al., Indones J Cancer 441 (2006) 1085.  
385 Chemoprevent. 10 (2019) 80. 442 20. G. Sgouros, L. Bodei, M. R. McDevitt et al.,  
386 7. B. Seyitoglu, F. Y. Lambrecht and K. Durkan, 443 Nat Rev Drug Discov. 19 (2020) 589.  
387 J. Radioanal Nucl. 279 (2009) 867. 444 21. H. Wongso, Indones J Cancer Chemoprevent.  
388 8. J. Rokka, A. Snellman, C. Zona et al., Bioorg 445 10 (2019) 101.  
389 Med Chem. 22 (2014) 2753. 446 22. H. Wongso, T. Yamasaki, K. Kumata et al.,  
390 9. M. Asti, E. Ferrari, S. Croci et al., Inorg Chem. 447 Chem Med Chem. 16 (2021) 1902.  
391 53 (2014) 4922. 448 23. Z. Y. Chen, Y. X. Wang, Y. Lin et al., Biomed  
392 10. G. Orteca, J. P. Sinnes, S. Rubagotti et al., J 449 Res Int. 2014 (2014) 819324.  
393 Inorg Biochem. 204 (2020) 1. 450 24. A. Yordanova, E. Eppard, S. Kurpig et al.,  
394 11. N. Sadeghzadeh, M. Ahmadzadeh and M. 451 Onco Targets Ther. 10 (2017) 4821.  
395 Erfani, J Radioanal Nucl Chem. 298 (2013) 452 25. E. Dubost, H. McErlain, V. Babin et al., J Org  
396 287. 453 Chem. 85 (2020) 8300.  
397 12. S. J. Hosseinimehr, V. Tolmachev and B. 454 26. K. Kumar and A. Ghosh, Molecules. 26 (2021)  
398 Stenerlow, Cancer Biother Radiopharm. 26 455 1.  
399 (2011) 469. 456 27. L. Cavina, D. van der Born, P. H. M. Klaren et  
400 13. H. Wongso, J Pharm Anal. (2021). In Press. 457 al., European J Org Chem. 2017 (2017) 3387.  
401 14. M. H. Choi, J. K. Rho, J. A. Kang et al., J 458 28. H. Wongso, I. Mahendra, W. Arnafia et al.,  
402 Radioanal Nucl. 308 (2015) 477. 459 Vaccines (Basel). 10 (2022) 1.  
403 15. I. Y. Abdel-Ghany, K. A. Moustafa, H. M. 460 29. B. M. Tashtoush, A. A. Traboulsi, L. Dittert et  
404 Abdel-Bary et al., J. Radioanal Nucl. 295 461 al., Anal Biochem. 288 (2001) 16.  
405 (2012) 1273. 462 30. F. P. Ekoume, H. H. Boersma, A. Z. F. Dong et  
406 16. A. S. Nugraha, T. A. Laksono, L. N. Firli et al., 463 al., EJNMMI Radiopharm Chem. 5 (2020) 1.  
407 Biomolecules. 10 (2020) 1. 464
- 408 17. D. Furman, J. Campisi, E. Verdin et al., Nat  
409 Med. 25 (2019) 1822.
- 410 18. O. Hansson, Nat Med. 27 (2021) 954.