CR137 – Theophylline RNA aptamer (32 nucleotides)

GGCAUACCAGCCGAAAGGCCCUUGGCAGCGUC

References -

1) Sequence source: Jenison, R. D., Gill, S. C., Pardi, A., & Polisky, B. (1994). High-resolution molecular discrimination by RNA. In Science (Vol. 263, Issue 5152, pp. 1425-1429). American Association for the Advancement of Science. https://doi.org/10.1126/science.7510417

2) PDB structure file: 1EHT

3) Zimmermann, G. R., Jenison, R. D., Wick, C. L., Simorre, J. P., & Pardi, A. (1997). Interlocking structural motifs mediate molecular discrimination by a theophylline-binding RNA. In Nature Structural Biology (Vol. 4, Issue 8, pp. 644-649). Springer Science and Business Media LLC. https://doi.org/10.1038/nsb0897-644