

RNA Aptamer Mango \square sodium

Cat. No.:	HY-153849
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

RNA Aptamer Mango III

BIOLOGICAL ACTIVITY

Description

RNA Aptamer Mango \square (sodium) has an exceptionally high affinity to TO1-biotin (a thiazole orange derivative fluorophore), and can be used to visualize RNA expression or localization in live cells. Compared to the original Mango I aptamer, RNA Aptamer Mango \square has markedly improved fluorescent properties, binding affinities, and salt dependencies.

REFERENCES

- [1]. Zhong W, Szczepanski JT. A Mirror Image Fluorogenic Aptamer Sensor for Live-Cell Imaging of MicroRNAs. *ACS Sens.* 2019;4(3):566-570. doi:10.1021/acssensors.9b00252
- [2]. Autour A, C Y Jeng S, D Cawte A, et al. Fluorogenic RNA Mango aptamers for imaging small non-coding RNAs in mammalian cells. *Nat Commun.* 2018;9(1):656. Published 2018 Feb 13. doi:10.1038/s41467-018-02993-8

Caution: Product has not been fully validated for medical applications. For research use only.

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