

S2.2 aptamer sodium

Cat. No.:	HY-160062
Target:	Mucin
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

S2.2 aptamer (sodium)

BIOLOGICAL ACTIVITY

Description	S2.2 aptamer sodium is a nucleic acid aptamer targeting the mucin MUC1 and can be used for targeted imaging of MCF-7 cancer cells. S2.2 aptamer sodium was labeled with Cy5, and when fluorescent silicon nanodots (SiND) were present, the fluorescence was quenched; when MUC1 was also present, the fluorescence was restored. S2.2 aptamer sodium detects MUC1 with a linear range of 3.33-250 nM ^[1] .
IC ₅₀ & Target	MUC1 ^[1]

REFERENCES

[1]. Zhang Y, Guo S, Huang H, Mao G, Ji X, He Z. Silicon nanodot-based aptasensor for fluorescence turn-on detection of mucin 1 and targeted cancer cell imaging. Anal Chim Acta. 2018 Dec 4;1035:154-160.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA