ALPHA DIAGNOSTIC INTERNATIONAL

Product Data Sheet

Cat#: AD-150-U
Cat#: AD-150-B, Biotin labeled
Cat#: AD-150-F, FITC labeled

Product Description: Thrombin (15mer)

Aptamer Type: DNA

Sequence: 5'-GGTTGGTGTGGTTGG-3'; 15-mer

Size **Custom**

Mol. Wt: 4726.13 g/mole

Purity: >95%

Affinity: 25-200 nM (reported value)

Comments: Uehara et al. (2008) found that conjugation of a poly(dA) tail to the 5' end disrupts binding to thrombin. The 29mer version has higher affinity than the 15mer version, but less inhibitory activity.

Notes: Thrombin aptamer binds to its target thrombin with good specificity and affinity which are therapeutic in approach.

References: Bock, Louis, et al. "Selection of single-stranded DNA molecules that bind and inhibit human thrombin." Nature Journal 355, (1992): 564-566.

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