



Product Data Sheet

Cat#: AD-115-U
Cat#: AD-115-B, Biotin labeled
Cat#: AD-115-F, FITC labeled

Product Description: Ethanolamine (14.3)

Aptamer Type: DNA

Sequence: 5'-
ATACCAGCTTATTCAATTGAGGCGGGTGGGTGGGTTGAATATGCTGATTACCCCATCGGAGAACGTTAAGGCGCTTAGA
TTGCACTTACTATC T-3'; 96-mer

Size 100 nM

Mol. Wt: 29786.42 g/mole

Purity: >95%

Affinity: 6 nM (reported value)

Comments: n/a

Notes: Ethanolamine and its derivatives di- and tri-ethanolamine are used in chemical and cosmetic industries. Aptamers derived from a 96mer library of initially about 1×10^{16} randomized ssDNA molecules will be useful in clinical and environmental analysis.

References: Mann, Doerthe, et al. "In vitro selection of DNA aptamers binding ethanolamine." Biochemical and Biophysical Research Communication, 338 (2005): 1928-1934.

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