

## Product Data Sheet

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**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  $1 \times 10^{16}$  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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