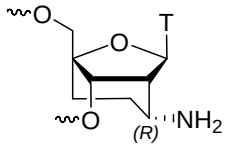
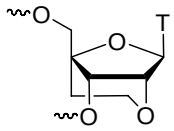
Entry	Modification structure	Sequence	MS (MH+)		With DNA		With RNA	
			Cacl.	Found	T_m	ΔT_m	T_m	ΔT_m
AON 22		5'- d (CTT CAT TTT TTC ***T***TC)	4503.792	4504.034	44.8	-0.1	45.1	+0.5
AON 23		5'- d (CTT CAT TTT ***T***TC TTC)	4503.792	4503.769	43.9	-1.0	45.2	+0.6
AON 24		5'- d (CTT CAT T***T***T TTC TTC)	4503.792	4503.940	42.7	-2.2	45.2	+0.6
AON 25		5'- d (CTT CA***T*** TTT TTC TTC)	4503.792	4503.769	43.1	-1.8	46.2	+1.6
AON 30		5'- d (CTT CAT TTT TTC ***T***TC)	4490.760	4491.274	46.4	+1.4	48.4	+3.9
AON 31		5'- d (CTT CAT TTT ***T***TC TTC)	4490.760	4491.817	44.3	-0.7	47.8	+3.3
AON 32		5'- d (CTT CAT T***T***T TTC TTC)	4490.760	4637.500	43.3	-1.7	47.9	+3.4
AON 33		5'- d (CTT CA***T*** TTT TTC TTC)	4490.760	4637.139	44.2	-0.8	48.1	+3.6

[α]A = native adeninyl, C = cytosinyl, T = thyminyl, '***T***' indicates the modified thymidine monomer with the specified structure. T_m values measured as the maximum of the first derivative of the melting curve (A_{260}nm vs temperature) in medium salt buffer (60 mM tris-HCl at pH 7.5, 60 mM KCl, 0.8 mM $MgCl_2$) with temperature range 20 to 70°C using 1 µM concentrations of two complementary strands. The value of T_m given is the average of two or three independent measurements. ΔT_m values were obtained by comparing the T_m values of modified AONs **2-25** and AONs **30-33** with that of native AON **1**.