

Selective Anti-Leishmanial Strathclyde Minor Groove Binders Using an N-Oxide Tail Group Modification

Marina C. Perieteanu¹, Leah M.C. McGee¹, Craig D. Shaw², Donna MacMillan¹, Abedawn I. Khalaf¹, Kirsten Gillingwater^{3,4}, Rebecca Beveridge¹, Katherine C. Carter², Colin J. Suckling¹, Fraser J. Scott^{1,*}

¹Department of Pure and Applied Chemistry, University of Strathclyde, Glasgow G1 1XL, United Kingdom

²Strathclyde Institute of Pharmacy & Biomedical Sciences, University of Strathclyde, Glasgow, G4 0RE, United Kingdom

³Parasite Chemotherapy, Department of Medical Parasitology and Infection Biology, Swiss Tropical and Public Health Institute, Basel 4051, Switzerland

⁴University of Basel, Basel 4001, Switzerland

Supplementary Information

Table S1. Calculated and measured masses for each species observed in **Figure 4** for DNA sequence 5'-CGCATATATGCG-3' **S-MGB-219**.

Species	m/z value	Calculated mass of neutral species (Da)
Single Stranded [SS]	3- : 1214.1	$(1214.1 \times 3) + 3 = 3645.3$
	4- : 910.3	$(910.3 \times 4) + 4 = 3645.2$
Double Stranded [DS]	4- : 1821.7	$(1821.7 \times 4) + 4 = 7290.8$
	5- : 1457.2	$(1457.2 \times 5) + 5 = 7291.0$
Double Stranded + 2 x S-MGB-219 [DS+2M]	4- : 2144.6	$(2144.6 \times 4) + 4 = 8582.4$
	5- : 1715.5	$(1715.5 \times 5) + 5 = 8582.5$

Table S2. Calculated and measured masses for each species observed in **Figure 4** for DNA sequence 5'-CGCATATATGCG-3' **S-MGB-BP-3**.

Species	m/z value	Calculated mass of neutral species (Da)
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Single Stranded [SS]	3- : 1214.1	$(1214.1 \times 3) + 3 = 3645.3$
	4- : 910.3	$(910.3 \times 4) + 4 = 3645.2$
Double Stranded [DS]	4- : 1821.7	$(1821.7 \times 4) + 4 = 7290.8$
	5- : 1457.2	$(1457.2 \times 5) + 5 = 7291.0$
Double Stranded + 2 x S-MGB-BP-3 [DS+2M]	4- : 2137.2	$(2137.2) + 4 = 8552.8$
	5- : 1709.6	$(1709.6 \times 5) + 5 = 8553.0$

For all species, the expected mass corresponds to the left-hand side of the m/z peaks.