



Supplementary Material

RNase A Domain-Swapped Dimers Produced Through Different Methods: Structure–Catalytic Properties and Antitumor Activity

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Figure S1. RNase A oligomers purification. **(A & B)** Cation Exchange purification performed in a Source 15S HR 10/10 column [1] of RNase A oligomers forming from **(A)** 40 % HAc-lyophilization (3), or **(B)** 40% EtOH 2 h incubation at 60 °C (4). The green line reports the[NaPi] increase from 70 to 90 mM and the linear gradient from 90 to 180 mM; **(C)** Overlayed SEC patterns of the same RNase A oligomerization deriving from HAc lyophilization (red curve, X-H species), or 40%



Figure S2. – Mass Spectrometry (MS) and deamidation analyses of RNase A monomers. **(A-C)** MS spectra of native RNase A M and of M_{-H} and M_{-Et}. Each relative M.W. value is reported; **(D)** Cation exchange chromatographic analysis of the deamidation of M, M_{-H} and M_{-Et} following the conditions indicated in (26). The positions of native M and of the monodeamidated N67D-derivative are indicated.