SUPPLEMENTARY INFORMATION (SI)

SI-1: Collision Induced Dissociation of the Ch⁺-2 and the ACh⁺-2 complexes

The thresholds for the appearance of the Ch⁺ and the ACh⁺ ions are estimated to 53.9V and 44.0V respectively.
SI-2 : Calculated structure of the Ch$^+$-1 complex

(A) Presence of the counter ion

(B) Absence of the counter ion
SI-3: Calculated structure of the ACh⁺-1 complex

(A) Presence of the counter ion

(B) Absence of the counter ion