

# Supporting Information

## for

### Kinetic Investigations on the Chiral Induction by Amino acids in Porphyrin J-Aggregates

Roberto Zagami,<sup>1</sup> Maria Angela Castriciano,<sup>1</sup> Andrea Romeo,<sup>1,2</sup> and Luigi Monsù Scolaro<sup>\*1,2</sup>

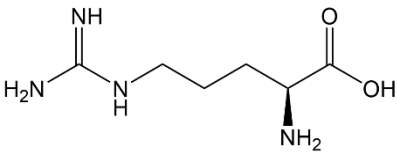
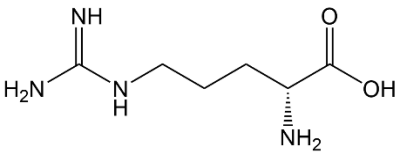
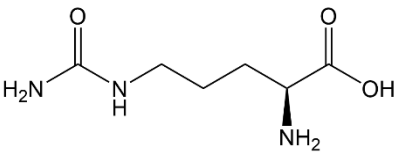
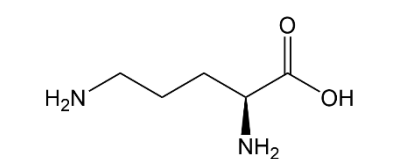
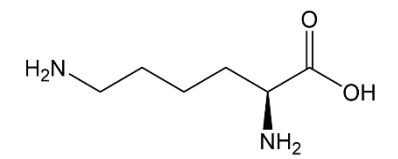
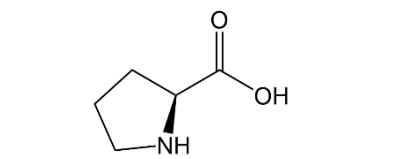
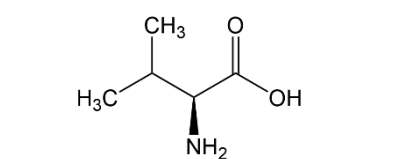
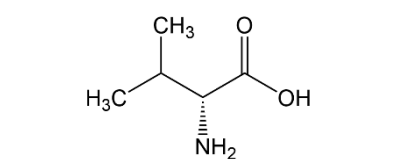
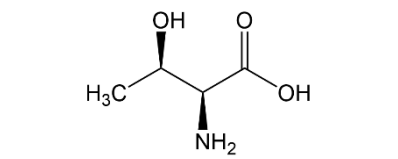
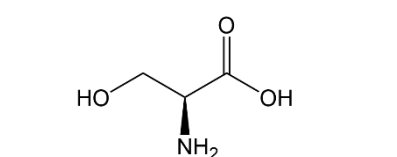
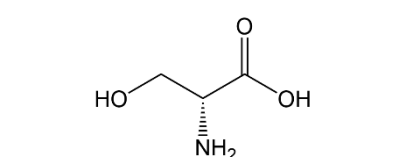
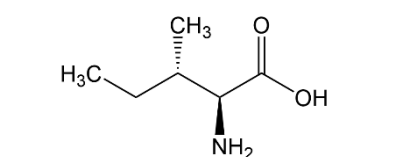
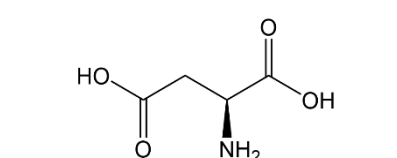
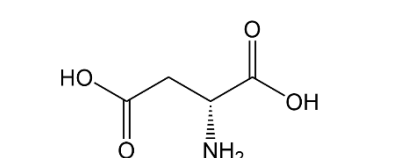
**Table S1.** Structural formulas, abbreviations and isoelectric points (IEP) of the amino acids

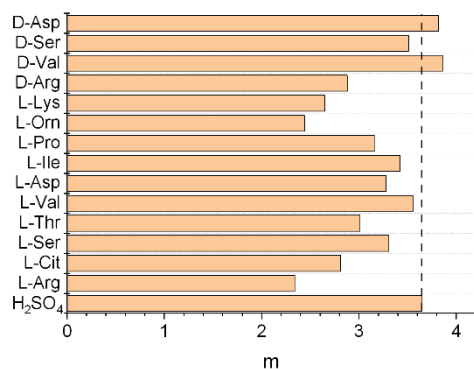
**Figure S1.** Bar graph of the values of  $m$

**Figure S2.** Bar graph of the values of  $n$

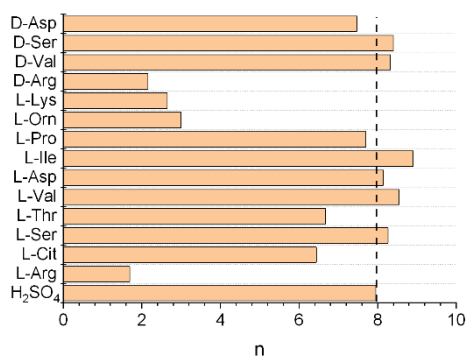
**Figure S3.** Bar graph of the values of the extinction values at equilibrium and their percent deviations.

**Table S1.** Structural formulas, abbreviations and isoelectric points (IEP) of the amino acids used in the present investigations.

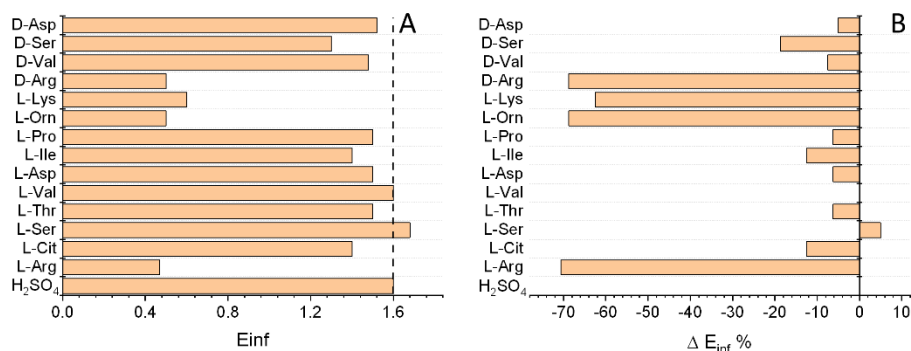
		
L-ARGININE ( <b>L-Arg</b> ; IEP 10.76)	D-ARGININE ( <b>D-Arg</b> ; IEP 10.76)	L-CITRULLINE ( <b>L-Cit</b> ; IEP 6.05)
		
L-ORNITHINE ( <b>L-Orn</b> ; IEP 9.75)	L-LYSINE ( <b>L-Lys</b> ; IEP 9.47)	L-PROLINE ( <b>L-Prol</b> ; IEP 6.30)
		
L-VALINE ( <b>L-Val</b> ; IEP 5.96)	D-VALINE ( <b>D-Val</b> ; IEP 5.96)	L-THREONINE ( <b>L-Thr</b> ; IEP 5.50)
		
L-SERINE ( <b>L-Ser</b> ; IEP 5.68)	D-SERINE ( <b>D-Ser</b> ; IEP 5.68)	L-ISOLEUCINE ( <b>L-Ile</b> ; IEP 6.02)
		
L- ASPARTIC ACID ( <b>L-Asp</b> ; IEP 2.77)	D- ASPARTIC ACID ( <b>D-Asp</b> ; IEP 2.77)	



**Figure S1.** Bar graph of the values of  $m$  for the aggregation of TPPS<sub>4</sub> induced by H<sub>2</sub>SO<sub>4</sub> in the presence of amino acids (the dashed black line mark the reference value obtained in the absence of added amino acids).



**Figure S2.** Bar graph of the values of  $n$  for the aggregation of TPPS<sub>4</sub> induced by H<sub>2</sub>SO<sub>4</sub> in the presence of amino acids (the dashed black line mark the reference value obtained in the absence of added amino acids).



**Figure S3.** Bar graph of (A) the values of the extinction values at equilibrium for the aggregation of TPPS<sub>4</sub> induced by H<sub>2</sub>SO<sub>4</sub> in the presence of amino acids (the dashed black line mark the reference value obtained in the absence of added amino acids); (B) the percent deviation of extinction values at equilibrium with respect to the reference value measured in the presence of H<sub>2</sub>SO<sub>4</sub> only.