Racemic resolution of *N*-protected alanine by strychnine and brucine *versus* donor/acceptor capability.

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The crystal structures of strychninium *N*-phthaloyl-D-α-alaninate 2 hydrate (**1**) and brucinium *N*-phthaloyl-L-α-alaninate 0.5 hydrate (**2**) were obtained as a result of racemic resolution by stereochemically related strychnine and brucine, respectively. Comparison of crystal structures of **1** and **2** with previously presented crystal structures of strychnine with *N*-benzoyl-L- and brucine with *N*-benzoyl-D-alanine points at the importance of alkaloid self-assemblies in molecular recognition. Simultaneously, various donor/acceptor capabilities of both alanine derivatives control acceptors' access of resolving agent self-assemblies and therefore racemic resolution.

Adres publiczny

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