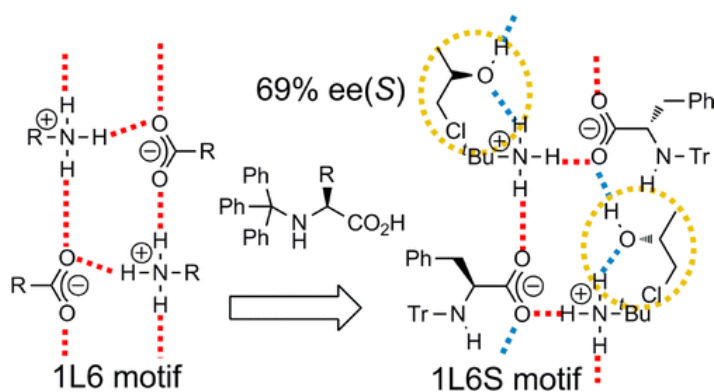


## Design and Evaluation of Salts between *N*-Trityl Amino Acid and *tert*-Butylamine as Inclusion Crystals of Alcohols.

Megumi, K.; Binti Mohd Arif, F. N.; Matsumoto, S.; Akazome, M.  
*Cryst. Growth Des.* **2012**, *12*, 5680-5685



Salts between *N*-trityl amino acids (Ala, Val, Leu, Ile, Phe, and phenylglycine) and *tert*-butylamine are examined in terms of inclusion ability for alcohols. An X-ray crystallographic study elucidated these column structures, hydrogen-bond network, and phenyl-phenyl interactions. It also found that *tert*-butylammonium *N*-trityl phenylalanate was superior to other salts of amino acids at including several alkyl alcohols. When the salt included 1-chloro-2-propanol as a guest alcohol, the enantioselectivity of inclusion reached up to 69% ee (*S*-form).

【研究室の HP】

<http://chem.tf.chiba-u.jp/gacb07/index.html>