

## Stereoisomers of 4-amino-3-hydroxy-1-cyclohexanecarboxylic acid and 4-amino-3-oxo-1-cyclohexanecarboxylic acid as mimetics of a twisted *cis*-amide bond.

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### Rok wydania

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### Czasopismo

Tetrahedron-Asymmetry

### Numer woluminu

12

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### Kolekcja

Naukowa

### Język

Angielski

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Artykuł

### Streszczenie

Stereoselective synthesis of the title compounds was performed. The relative configuration of methyl *t*-4-(*tert*-butoxycarbonylamino)-*c*-3-hydroxy-*r*-1-cyclohexanecarboxylate and methyl *trans*-4-(*tert*-butoxycarbonylamino)-3-oxo-*r*-1-cyclohexanecarboxylate was confirmed by X-ray diffraction methods. Analogues of cyclolinopeptide A (CLA) containing these twisted *cis*-amide bond mimetics were then synthesised. Novel mimetics of twisted *cis*-peptide bonds were synthesised and incorporated into linear and cyclic analogues of cyclolinopeptide (CLA).

### Adres publiczny

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