

Crystal structure of 2-[benzyl-(7-oxo-cyclohepta-1,3,5-trienyl)-amino]-N-cyclohexylpropanamide.

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Rok wydania

2015

Czasopismo

Journal of Structural
Chemistry

Numer woluminu

56

Strony

468-471

DOI

10.1134/S0022476615030105

Kolekcja

Naukowa

Język

Angielski

Typ publikacji

Artykuł

Streszczenie

The title compound 2-[benzyl-(7-oxo-cyclohepta-1,3,5-trienyl)-amino]-N-cyclohexylpropanamide is synthesized and studied by the single crystal X-ray diffraction method. The structure of the product was confirmed by IR, ^1H and ^{13}C NMR spectroscopy, and mass spectrometry. The tropone oxygen atom plays an important role in the solid-state molecular structure stabilization by being involved in intramolecular N-H $\cdots$ O and C-H $\cdots$ O contacts.

Słowa kluczowe

single crystal X-ray structure, Smiles rearrangement, Ugi-type coupling, tropolone cyclohexylisocyanide, benzyl amine, acetaldehyde, Ugi-Smiles-type reaction

Adres publiczny

<http://dx.doi.org/10.1134/S0022476615030105>

