

# 카바졸 전자 공여기를 포함한 D- $\pi$ -A 유도체의 결정 구조

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## Abstract

The donor- $\pi$ -acceptor (D- $\pi$ -A) chromophoric dye system has received great attention in variety fields such as electroluminescent materials, sensors and optoelectronic devices. There are many research activities focused on the development for abovementioned application materials with the high-performance properties. In the previous work, we are reported that novel D- $\pi$ -A dye, 2-[4-(9*H*-carbazol-9-yl)benzylidene]-2,3-dihydroinden-1-one, is successfully attained and exhibited a positive fluorescence solvatochromism<sup>1</sup>.

In this work, the molecular structure and packing geometry of 2-[4-(9*H*-carbazol-9-yl)benzylidene]-2,3-dihydroinden-1-one was discussed by their conformational structure. Their single yellow prism crystal having approximate dimensions of 0.30 x 0.10 x 0.10 mm was carried out with a Rigaku RAXIS RAPID imaging plate area detector with graphite monochromated CuK $\alpha$  radiation. Their crystal structure were solved by using the CrystalStructure crystallographic software package<sup>2</sup>.

## 참고문헌

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2. CrystalStructure 3.8: Crystal structure analysis package, Rigaku and Rigaku/MSK, The Woodlands, TX (USA), 1998-2007.