

RESEARCH PAPERS

## 新型香豆素系荧光染料

赵德丰, 李卓舒, 修景海

State Key Laboratory of Dyes and Surfactants Fine Chemicals, Dalian University of Technology, Dalian 116012, China

收稿日期 修回日期 网络版发布日期 接受日期

**摘要** Seven novel fluorescent coumarin derivatives were synthesized from 7-diethylamino-4-chloro-3-formyl coumarin. The spectra of absorption, excitation and emission were dependent not only on the structures and also on the concentration of dyes. The PPP-MO predictions can only be consistent with the spectra in dilute solutions.

**关键词** [fluorescent](#) [coumarin](#) [synthesis](#)

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## Novel Fluorescent Dyes Based on Coumarin System

ZHAO Defeng, LI Zhuoshu, XIU Jinghai

State Key Laboratory of Dyes and Surfactants Fine Chemicals, Dalian University of Technology, Dalian 116012, China

### Abstract

Seven novel fluorescent coumarin derivatives were synthesized from 7-diethylamino-4-chloro-3-formyl coumarin. The spectra of absorption, excitation and emission were dependent not only on the structures and also on the concentration of dyes. The PPP-MO predictions can only be consistent with the spectra in dilute solutions.

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DOI:

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通讯作者 赵德丰