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Full Papers

新方法合成（*Z*）-5-氟-2-甲基-1-[（4-甲基亚磺酰苯基）亚甲基]-1*H*-茚-3-乙酸及其X-单晶衍射分析

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摘要

以对甲亚磺酰基苄溴为原料，通过4步反应合成得到立体专一性的*Z*式构型产物（*Z*）-5-氟-2-甲基-1-[（4-甲基亚磺酰苯基）亚甲基]-1*H*-茚-3-乙酸（Sulindac舒林酸）。X-单晶衍射分析舒林酸分子中共存有强和弱的分子间氢键。

关键词 对甲亚磺酰基苄溴 *Z*式构型 X-单晶衍射 分子间氢键

分类号

A New Route to *Z*-5-Fluoro-2-methyl-1-(*p*-methylsulfinylbenzylidene)-3-indenylacetic Acid and Its X-ray Diffraction Analysis

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Abstract The title compound (Sulindac) was prepared from the corresponding sulfinyl compound *p*-methylsulfinylbenzyl bromide by four-step reaction. The sole product (*Z*)-5-fuoror-2-methyl-1-(*p*-methylsulfinylbenzylidene)-3-indenyl acetic acid (Sulindac) was obtained and the *E* isomer of it was not found. X-ray single crystal diffraction analysis showed that the strong intermolecular hydrogen bonding and weak intermolecular hydrogen bonding coexisted in Sulindac.

Key words **Keywords** *p*-methylsulfinylbenzyl bromide *Z* configuration X-ray crystal structure intermolecular hydrogen bonding

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