

2-methylphenyl acridine-9-carboxylate.

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Streszczenie

In the monoclinic crystalline phase, the molecules of the title compound, $C_{21}H_{15}NO_2$, form columns extending along the [001] direction. The crystals are stabilized by π - π stacking interactions, formed between acridine systems, and C—H \cdots π hydrogen-bond contacts, in which benzene rings are involved. The layers, resulting in the C—H \cdots π hydrogen-bond contacts, formed between acridine H atoms and benzene rings of neighboring columns, are parallel to the (100) plane. C—H \cdots N hydrogen bonds between layers stabilize the crystal structure. All the acridine rings are parallel in the crystal structure, while the benzene rings are either parallel or inclined at 52.8 (2)°. The acridine systems and benzene rings in the molecules are inclined at 30.0 (2)° to each other, and the acridine systems and carboxylate groups at 58.0 (3)°.

Adres publiczny

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