

## Crystal structure of quinoline-2-carboxylic acid·quinolinium-2-carboxylate.

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Artykuł

### Streszczenie

Quinoline-2-carboxylic acid (quinaldic acid), C<sub>10</sub>H<sub>7</sub>NO<sub>2</sub>, crystallizes in the monoclinic space group P2<sub>1</sub>=c, aD9:724(1) °A, bD5:937(1) °A, cD27:545(2) °A,  $\alpha$ D90:15(1)°,  $\beta$ D4, and occurs in the crystal in two tautomeric forms: the neutral molecule and the zwitterion, with molecular ratio 1:1. The compound can be named quinoline-2-carboxylic acid  $\phi$  quinolinium-2-carboxylate. The crystal structure is built up of tautomeric pairs consisting of C<sub>9</sub>H<sub>6</sub>NCOOH and C<sub>9</sub>H<sub>6</sub>NHCCOO<sup>o</sup> moieties, held up together by hydrogen bonds.

### Słowa kluczowe

Quinoline-2-carboxylic acid,  $\phi$  quinolinium-2-carboxylate, tautomeric, dimers

### Adres publiczny

<https://doi.org/10.1023/B:JOCC.0000014688.79954.ca>

### Strona internetowa wydawcy

<http://link.springer.com>