

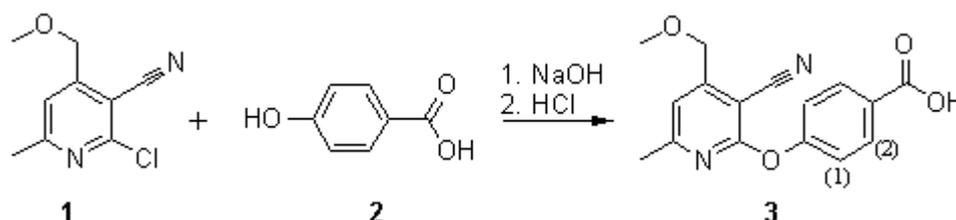
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## 4-{[3-cyano-4-(methoxymethyl)-6-methyl-2-pyridinyl]oxy}benzoic acid

Yelena Kaigorodova, Vladimir Vasilin and Gennady Krapivin

Department of organic chemistry, Kuban State Technological University, Moskovskaya, 2, Krasnodar, 350072, Russian Federation. Phone +7 8612 559556, E-mail: [organics@kubstu.ru](mailto:organics@kubstu.ru)

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4-{[3-cyano-4-(methoxymethyl)-6-methyl-2-pyridinyl]oxy}benzoic acid **3** was prepared by the reaction of the 2-chloro-3-cyanopyridine **1** with 4-hydroxybenzoic acid **2** using a literature procedure [1].

A mixture of 1.84g (10 mmol) of chlorocyanopyridine in 30 ml of ethanol, 1.38g (10 mmol) of 4-hydroxybenzoic acid and 1.12g (20 mmol) of potassium hydroxide in 8 ml water was boiled for 40 hours (water bath temperature). The reaction mixture was diluted with 5 ml of water and acidified with 10% aqueous hydrochloric acid until a precipitate formed. The precipitate was filtered and recrystallized from ethanol. Compound **3** - colourless solid. Yield 1.83g (61%).

M.p. 177°C (ethanol).

<sup>1</sup>H NMR (DMSO-d<sub>6</sub>, 60MHz): 2.38 (s, 3H, CH<sub>3</sub>); 2.53 (s, 3H, CH<sub>2</sub>OCH<sub>3</sub>); 4.64 (s, 2H, CH<sub>2</sub>OCH<sub>3</sub>); 7.23 (s, 1H, H<sub>Het</sub>), 7.32 (d, J=7Hz, 2H, H<sub>Ar</sub>(1)), 8.03 (d, J=7Hz, 2H, H<sub>Ar</sub>(2)), 11.72 (broad s, 1H, OH).

IR (vaseline oil, cm<sup>-1</sup>): 3270-3150, 3150-3050, 2230, 1725, 1630, 1625, 1575, 1520, 1480, 1415, 1400, 1360, 1240, 1195, 1145, 1050, 1020, 980, 920, 900, 870, 850, 815, 790, 725.

Anal. calc. for C<sub>16</sub>H<sub>14</sub>N<sub>2</sub>O<sub>4</sub> (298.29): C 64.42, H 4.73, N 9.39; found: C 64.31, H 4.45, N 9.42.

## References

1. Kulnevich, V.G.; Kaigorodova, Ye.A.; Arustamova, I.S.; Korobchenko, L.V.; Vladiko, G.V.; Boreko, E.I. *Khim.-Pharm. Zhurnal* **1990**, *25*, 132.

*Sample availability:* available from the authors and MDPI.

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