



>>Entry Name: 4-Formylphenoxyacetic acid, 9CI

CAS Registry Number: 22042-71-3

Structure by analogy with 2-Formylphenoxyacetic acid, [DTP98-N](#)

Molecular Formula: $C_9H_8O_4$

Molecular Weight: 180.16

Accurate Mass: 180.04226

Percentage Composition: C 60.00%; H 4.48%; O 35.52%

Melting Point: Mp 198°

Fluka: 47743

Rare Chemicals Library: S86940-6

>>Derivative: Et ester

CAS Registry Number: 51264-69-8

Molecular Formula: $C_{11}H_{12}O_4$

Molecular Weight: 208.213

Accurate Mass: 208.07356

Percentage Composition: C 63.45%; H 5.81%; O 30.74%

Melting Point: Mp 155 dec.°

>>Derivative: Oxime

Molecular Formula: $C_9H_9NO_4$

Molecular Weight: 195.174

Accurate Mass: 195.053159

Percentage Composition: C 55.39%; H 4.65%; N 7.18%; O 32.79%

Melting Point: Mp 168°

>>Derivative: Phenylhydrazone

Melting Point: Mp 159°

References:

Elkan, T., *Ber.*, 1886, **19**, 3041, (*synth*)