



>>Entry Name: 4-Iodophenylacetic acid

Synonym(s): 4-Iodobenzeneacetic acid, 9CI

CAS Registry Number: 1798-06-7

Molecular Formula: C₈H₇IO₂

Molecular Weight: 262.047

Accurate Mass: 261.949078

Percentage Composition: C 36.67%; H 2.69%; I 48.43%; O 12.21%

Use/Importance: Plant growth regulator

Physical Description: Plates (H₂O)

Melting Point: Mp 135°

>>Derivative: Nitrile

Synonym(s): 4-Iodobenzyl cyanide

CAS Registry Number: 51628-12-7

Molecular Formula: C₈H₆IN

Molecular Weight: 243.047

Accurate Mass: 242.954497

Percentage Composition: C 39.53%; H 2.49%; I 52.21%; N 5.76%

Physical Description: Plates (EtOH)

Melting Point: Mp 50.5°

References:

Datta, D.L. *et al.*, *J.A.C.S.*, 1919, **41**, 295

Khalimova, T.A. *et al.*, *CA*, 1968, **68**, 49198, (*synth*)

Slyusarchuk, V.T. *et al.*, *CA*, 1972, **76**, 99287, (*synth*)