



>>Entry Name: Chloro(phenylhydrazono)acetic acid

CAS Registry Number: 40345-03-7

HOCCCCI=NNHPh

Molecular Formula: C₈H₇ClN₂O₂

Molecular Weight: 198.608

Accurate Mass: 198.019605

Percentage Composition: C 48.38%; H 3.55%; Cl 17.85%; N 14.10%; O 16.11%

>>Derivative: Me ester

CAS Registry Number: 58131-64-9

Molecular Formula: C₉H₉ClN₂O₂

Molecular Weight: 212.635

Accurate Mass: 212.035255

Percentage Composition: C 50.84%; H 4.27%; Cl 16.67%; N 13.17%; O 15.05%

Melting Point: Mp 98-99°

>>Derivative: Et ester

CAS Registry Number: 28663-68-5

Molecular Formula: C₁₀H₁₁ClN₂O₂

Molecular Weight: 226.662

Accurate Mass: 226.050905

Percentage Composition: C 52.99%; H 4.89%; Cl 15.64%; N 12.36%; O 14.12%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 86-87° (70-71°)

References:

Bowack, D. *et al.*, *J.C.S.*, 1905, **87**, 1854-1869, (*Et ester*)

Huisgen, R. *et al.*, *Annalen*, 1955, **591**, 200-231, (*Et ester*)

Luk'yanov, O.A. *et al.*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1990, 352-356; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1990, 294-297, (*Et ester*)