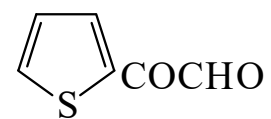




>>Entry Name: α -Oxo-2-thiopheneacetaldehyde, 9Cl

Synonym(s): 2-Thiopheneglyoxylaldehyde, 8Cl. Thiophene-2-glyoxal



CAS Registry Number: 51445-63-7

Molecular Formula: C₆H₄O₂S

Molecular Weight: 140.162

Accurate Mass: 139.9932

Percentage Composition: C 51.42%; H 2.88%; O 22.83%; S 22.88%

Physical Description: Yellow oil

Boiling Point: Bp₁₁ 92-93°

>>Derivative: Aldoxime

Synonym(s): 2-(2-Hydroxyimino-1-oxoethyl)thiophene

CAS Registry Number: 128694-37-1

Molecular Formula: C₆H₅NO₂S

Molecular Weight: 155.177

Accurate Mass: 155.004099

Percentage Composition: C 46.44%; H 3.25%; N 9.03%; O 20.62%; S 20.66%

Use/Importance: Reagent for Pd(II)

Physical Description: Cryst. (EtOH)

Melting Point: Mp 115°

References:

Kipnis, F. *et al.*, *J.A.C.S.*, 1946, **68**, 2734, (*synth*)

Chhakkar, A.K. *et al.*, *Bull. Chem. Soc. Jpn.*, 1991, **64**, 3075, (*deriv*)