



>>Entry Name: *N*-Formylglycine, 9CI

Synonym(s): (Formylamino)acetic acid

CAS Registry Number: 2491-15-8

OHCNHCH₂COOH

Molecular Formula: C₃H₅NO₃

Molecular Weight: 103.077

Accurate Mass: 103.026944

Percentage Composition: C 34.96%; H 4.89%; N 13.59%; O 46.57%

Physical Description: Solid

Melting Point: Mp 153-154°

Fluka: 47723

Sigma: F3127

>>Derivative: Et ester

CAS Registry Number: 3154-51-6

Molecular Formula: C₅H₉NO₃

Molecular Weight: 131.131

Accurate Mass: 131.058244

Percentage Composition: C 45.80%; H 6.92%; N 10.68%; O 36.60%

Boiling Point: Bp₁ 100-103°. Bp_{0.05} 94-97°

Fluka: 47719

>>Derivative: Amide

Synonym(s): 2-(Formylamino)acetamide, 9CI

CAS Registry Number: 4238-57-7

Molecular Formula: C₃H₆N₂O₂

Molecular Weight: 102.093

Accurate Mass: 102.042928

Percentage Composition: C 35.29%; H 5.92%; N 27.44%; O 31.34%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 117-118° (113-114°)

References:

Fischer, E., *Ber.*, 1905, **38**, 3999, (*synth*)

Org. Synth., 1979, **59**, 183, (*ester*)

Yinglin, H. *et al.*, *Synthesis*, 1990, 122, (*synth*)

Friedrich, K. *et al.*, *J. Prakt. Chem.*, 2000, **342**, 404-408, (*amide*)