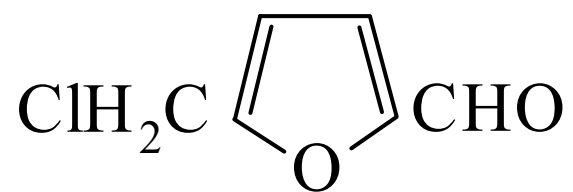




>>Entry Name: 5-Chloromethyl-2-furancarboxaldehyde, 9Cl

Synonym(s): 5-Chloromethylfurfuraldehyde. 2-Chloromethyl-5-formylfuran



CAS Registry Number: 1623-88-7

Molecular Formula: C₆H₅ClO₂

Molecular Weight: 144.557

Accurate Mass: 143.997807

Percentage Composition: C 49.85%; H 3.49%; Cl 24.53%; O 22.14%

Source/Synthesis: Can be prepd. in 1 step from corn syrup or fructose in 92-95% yield

Use/Importance: Intermed. in synth. of agricultural chemicals and crown ethers

Physical Description: Cryst. (petrol)

Melting Point: Mp 37-38°

References:

Haworth, W.N. *et al.*, *J.C.S.*, 1944, 667, (*synth*)

Abraham, R.J. *et al.*, *Can. J. Chem.*, 1959, **37**, 1056, (*pmr*)

Szmant, H.H. *et al.*, *J. Chem. Technol. Biotechnol.*, 1981, **31**, 205, (*synth*)

Sanda, K. *et al.*, *Synthesis*, 1992, 541, (*synth, use, bibl*)