



Percentage Composition: C 24.90%; H 2.09%; Cl 36.74%; F 19.69%; O 16.58%

Boiling Point: Bp 72°. Bp₁₀₅ 23°

Hazard & Toxicity: Fatal CNS poison, causes epileptic convulsions and ventricular fibrillation

>>Derivative: Amide

Synonym(s): Fluoroacetamide, BSI, ISO, JMAF. Fluorakil

CAS Registry Number: 640-19-7

Molecular Formula: C₂H₄FNO

Molecular Weight: 77.058

Accurate Mass: 77.027692

Percentage Composition: C 31.17%; H 5.23%; F 24.65%; N 18.18%; O 20.76%

Use/Importance: Rodenticide, insecticide

Physical Description: Needles (CHCl₃)

Melting Point: Mp 107-109°

Solubility: Sol. H₂O, Me₂CO; spar. sol. CHCl₃

Hazard & Toxicity: Highly toxic, used only in secure areas. LD₅₀ (rat, orl) 5.75 mg/kg

Aldrich: 12834-1

Fluka: 46390

>>Derivative: Nitrile

Synonym(s): Fluoroacetonitrile. Cyanofluoromethane

CAS Registry Number: 503-20-8

Molecular Formula: C₂H₂FN

Molecular Weight: 59.043

Accurate Mass: 59.017127

Percentage Composition: C 40.69%; H 3.41%; F 32.18%; N 23.72%

Melting Point: Mp -13°

Boiling Point: Bp 82°

Solubility: Sl. sol. H₂O

Refractive Index: n_D²⁰ 1.3330

Other Data: Penetrating odour

Aldrich: 25744-3

>>Derivative: Anhydride

CAS Registry Number: 407-33-0

Molecular Formula: C₄H₄F₂O₃

Molecular Weight: 138.071

Accurate Mass: 138.012851

Percentage Composition: C 34.80%; H 2.92%; F 27.52%; O 34.76%

Boiling Point: Bp₁₂ 88-89°

References: