



>>Entry Name: 3-Azidopropanoic acid

Synonym(s): 3-Triazopropionic acid

CAS Registry Number: 18523-47-2

N3CH2CH2COOH

Molecular Formula: C3H5N3O2

Molecular Weight: 115.091

Accurate Mass: 115.038177

Percentage Composition: C 31.31%; H 4.38%; N 36.51%; O 27.80%

Boiling Point: Bp₁ 80°

>>Derivative: Me ester

CAS Registry Number: 23605-39-2

Molecular Formula: C4H7N3O2

Molecular Weight: 129.118

Accurate Mass: 129.053827

Percentage Composition: C 37.21%; H 5.46%; N 32.54%; O 24.78%

Boiling Point: Bp₁ 40-45°

>>Derivative: Et ester

CAS Registry Number: 40139-55-7

Molecular Formula: C5H9N3O2

Molecular Weight: 143.145

Accurate Mass: 143.069477

Percentage Composition: C 41.95%; H 6.34%; N 29.35%; O 22.35%

Boiling Point: Bp₅ 62°

>>Derivative: Nitrile

CAS Registry Number: 23648-56-8

Molecular Formula: C3H4N4

Molecular Weight: 96.091

Accurate Mass: 96.043596

Percentage Composition: C 37.50%; H 4.20%; N 58.31%

Boiling Point: Bp₁ 64°

References:

Boyer, J.H., *J.A.C.S.*, 1951, **73**, 5248, (*synth, ir*)

Lakanen, J.R. *et al.*, *J. Med. Chem.*, 1992, **35**, 724, (*synth, pmr*)