



>>Entry Name: 1,4-Pentanediamine

Synonym(s): 1,4-Diaminopentane

CAS Registry Number: 591-77-5

H2NCH2CH2CH2CH(NH2)CH3

Molecular Formula: C5H14N2

Molecular Weight: 102.179

Accurate Mass: 102.115698

Percentage Composition: C 58.77%; H 13.81%; N 27.42%

Boiling Point: Bp₇₃₈ 143-144°

>>Variant: (±)-form

Molecular Formula: C5H14N2

Molecular Weight: 102.179

Accurate Mass: 102.115698

Percentage Composition: C 58.77%; H 13.81%; N 27.42%

>>Derivative: *N*¹-Et

Molecular Formula: C7H18N2

Molecular Weight: 130.233

Accurate Mass: 130.146998

Percentage Composition: C 64.56%; H 13.93%; N 21.51%

Boiling Point: Bp 174-181°

>>Derivative: *N*¹,*N*¹-Di-Me

CAS Registry Number: 25077-83-2

Molecular Formula: C7H18N2

Molecular Weight: 130.233

Accurate Mass: 130.146998

Percentage Composition: C 64.56%; H 13.93%; N 21.51%

Boiling Point: Bp₁₃ 167-172°

>>Derivative: *N*¹,*N*¹-Di-Me; hydrochloride (1:2)

Melting Point: Mp 163-164°

>>Derivative: *N*¹,*N*¹-Di-Me, picrate

CAS Registry Number: 30321-70-1

Melting Point: Mp 134-135°

>>Derivative: *N*⁴,*N*⁴-Di-Me

Molecular Formula: C7H18N2

Molecular Weight: 130.233

Accurate Mass: 130.146998

Percentage Composition: C 64.56%; H 13.93%; N 21.51%

Boiling Point: Bp 176°. Bp₂₄ 82°

>>Derivative: *N*¹,*N*¹-Di-Et

Synonym(s): *N*¹,*N*¹-Dimethyl-1,4-pentanediamine. Novoldiamine

CAS Registry Number: 140-80-7

Molecular Formula: C9H22N2

Molecular Weight: 158.286

Accurate Mass: 158.178298

Percentage Composition: C 68.29%; H 14.01%; N 17.70%

Boiling Point: Bp₇₅₃ 200-200.5°. Bp₃₇ 101°

Aldrich: A4880-6