



CAS Registry Number: 61638-01-5
Molecular Formula: $C_7H_9NO_2$
Molecular Weight: 139.154
Accurate Mass: 139.063329
Percentage Composition: C 60.42%; H 6.52%; N 10.07%; O 23.00%
Physical Description: Reddish-brown needles (toluene)
Melting Point: Mp 175-180°
Other Data: Blackens at 160°. Aq. solns. discolour in air

>>Derivative: 3-Me ether, *N*-Ac

CAS Registry Number: 49698-84-2
Molecular Formula: $C_9H_{11}NO_3$
Molecular Weight: 181.191
Accurate Mass: 181.073894
Percentage Composition: C 59.66%; H 6.12%; N 7.73%; O 26.49%
Physical Description: Red needles (toluene)
Melting Point: Mp 169-171.5° (150-155°)

>>Derivative: Di-Me ether
Synonym(s): 2,4-Dimethoxyaniline

CAS Registry Number: 2735-04-8

Molecular Formula: $C_8H_{11}NO_2$
Molecular Weight: 153.18
Accurate Mass: 153.078979
Percentage Composition: C 62.73%; H 7.24%; N 9.14%; O 20.89%
Biological Source: Alarm pheromone isol. from *Neanura muscorum*
Physical Description: Plates (petrol) or oil
Melting Point: Mp 32.5-33.5°
Boiling Point: Bp_{0.006} 75-80°
Hazard & Toxicity: LD₅₀ (rat, orl) 464 mg/kg

Aldrich: D12980-1
Fluka: 38575

>>Derivative: Di-Me ether; hydrochloride

CAS Registry Number: 54150-69-5
Melting Point: Mp 230 dec.°
Aldrich: 34330-7

>>Derivative: Di-Me ether, *N*-Ac

CAS Registry Number: 23042-75-3
Molecular Formula: $C_{10}H_{13}NO_3$
Molecular Weight: 195.218
Accurate Mass: 195.089544
Percentage Composition: C 61.53%; H 6.71%; N 7.17%; O 24.59%
Physical Description: Cryst. (Me₂CO aq.)
Melting Point: Mp 117°
Rare Chemicals Library: S65467-1

>>Derivative: Di-Et ether
Synonym(s): 2,4-Diethoxyaniline

CAS Registry Number: 97-48-3
Molecular Formula: $C_{10}H_{15}NO_2$
Molecular Weight: 181.234
Accurate Mass: 181.110279
Percentage Composition: C 66.27%; H 8.34%; N 7.73%; O 17.66%
Physical Description: Brownish-red needles and plates (C₆H₆/petrol)
Melting Point: Mp 34°
Boiling Point: Bp 250-252°