



Synonym(s): 4-(Trifluoromethoxy)aniline. α,α,α -Trifluoro-*p*-anisidine

CAS Registry Number: 461-82-5

Molecular Formula: $\text{C}_7\text{H}_6\text{F}_3\text{NO}$

Molecular Weight: 177.126

Accurate Mass: 177.040148

Percentage Composition: C 47.47%; H 3.41%; F 32.18%; N 7.91%; O 9.03%

Boiling Point: Bp_{10} 73-75°

Density: d 1.31

Refractive Index: n_D^{25} 1.4605

Aldrich: 33705-6

Fluka: 91752

>>**Derivative:** Trifluoromethyl ether, *N*-Me

CAS Registry Number: 41419-59-4

Molecular Formula: $\text{C}_8\text{H}_8\text{F}_3\text{NO}$

Molecular Weight: 191.153

Accurate Mass: 191.055798

Percentage Composition: C 50.27%; H 4.22%; F 29.82%; N 7.33%; O 8.37%

Boiling Point: Bp_{15} 96-98°

>>**Derivative:** Trifluoromethyl ether, *N,N*-di-Me

Molecular Formula: $\text{C}_9\text{H}_{10}\text{F}_3\text{NO}$

Molecular Weight: 205.179

Accurate Mass: 205.071448

Percentage Composition: C 52.69%; H 4.91%; F 27.78%; N 6.83%; O 7.80%

Boiling Point: $\text{Bp}_{9.5}$ 86°

Density: d 25

Refractive Index: n_D^{25} 1.4671

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