



>>Entry Name: 4-Nitro-2-(trifluoromethyl)aniline

Synonym(s): 4-Nitro-2-(trifluoromethyl)benzenamine, 9CI. 4-Nitro- α,α,α -trifluoro-*o*-toluidine. 2-Amino-5-nitrobenzotrifluoride

CAS Registry Number: 121-01-7

Molecular Formula: C₇H₅F₃N₂O₂

Molecular Weight: 206.124

Accurate Mass: 206.030312

Percentage Composition: C 40.79%; H 2.44%; F 27.65%; N 13.59%; O 15.52%

Physical Description: Yellow cryst. (C₆H₆/petrol)

Melting Point: Mp 91.5-93° (90-92°)

Aldrich: 19657-6

Fluka: 8860

>>Derivative: N-Ac

CAS Registry Number: 395-68-6

Molecular Formula: C₉H₇F₃N₂O₃

Molecular Weight: 248.161

Accurate Mass: 248.040877

Percentage Composition: C 43.56%; H 2.84%; F 22.97%; N 11.29%; O 19.34%

Physical Description: Cryst. (C₆H₆/petrol)

Melting Point: Mp 148°

>>Derivative: N,N-Di-Me

CAS Registry Number: 54672-09-2

Molecular Formula: C₉H₉F₃N₂O₂

Molecular Weight: 234.178

Accurate Mass: 234.061612

Percentage Composition: C 46.16%; H 3.87%; F 24.34%; N 11.96%; O 13.66%

Melting Point: Mp 45°

Rare Chemicals Library: S92223-4

Other: PB T23555

References:

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Randle, R.R. *et al.*, *J.C.S.*, 1952, 4153; 1955, 1311, (*ir*)
Dickey, J.B. *et al.*, *Ind. Eng. Chem.*, 1953, **45**, 1730, (*synth*)
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