



>>Entry Name: 2-(3-Chlorophenyl)ethylamine

Synonym(s): 3-Chlorobenzeneethanamine, 9Cl. 3-Chlorophenethylamine

CAS Registry Number: 13078-79-0

Structure by analogy with 2-(2-Chlorophenyl)ethylamine, [NFG45-O](#)

Molecular Formula: C₈H₁₀ClN

Molecular Weight: 155.626

Accurate Mass: 155.050176

Percentage Composition: C 61.74%; H 6.48%; Cl 22.78%; N 9.00%

Use/Importance: Used in synthesis of Ca²⁽⁺⁾ entry blockers. Exhibits plant growth regulatory props.

Physical Description: Liq.

Boiling Point: Bp₁₂ 111-113°

Refractive Index: n_D²⁰ 1.5490

Aldrich: 34084-7

>>Derivative: Hydrochloride

CAS Registry Number: 89042-13-7

Physical Description: Cryst. (MeOH/Et₂O)

Melting Point: Mp 157-160 dec.°

References:

Aldrich Library of FT-NMR Spectra, **2**, 601A

Price, R. *et al.*, *Ann. Appl. Biol.*, 1978, **89**, 479, (*synth*)

Hocquaux, M. *et al.*, *Eur. J. Med. Chem. (Chim. Ther.)*, 1983, **18**, 319; *CA*, **100**, 121427m, (*synth*)

Carson, J.R. *et al.*, *J. Med. Chem.*, 1988, **31**, 630, (*use*)