



>>Entry Name: 4-Aminobenzamidine, 8Cl

Synonym(s): 4-Aminobenzenecarboximidamide, 9Cl

CAS Registry Number: 3858-83-1

Molecular Formula: C₇H₉N₃

Molecular Weight: 135.168

Accurate Mass: 135.079647

Percentage Composition: C 62.20%; H 6.71%; N 31.09%

Use/Importance: Potent competitive inhibitor of trypsin, thrombin and plasmin. Fluorescent probe for enzymes

Hazard & Toxicity: Exp. reprod. effects

Other: Nagase Corp.

>>Derivative: Hydrochloride

CAS Registry Number: 7761-72-0

Physical Description: Flakes (EtOH)

Melting Point: Mp 221-222°

>>Derivative: Hydrochloride (1:2)

CAS Registry Number: 2498-50-2

Melting Point: Mp 290-291°

Aldrich: 85766-1

Fluka: 6880

Sigma: A7148

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 413B, (ir)

Grundwell, E. *et al.*, *J.C.S.*, 1956, 368, (synth)

Shaw, E. *et al.*, *J.A.C.S.*, 1957, **79**, 3561, (synth)

Mares-Gurä, M. *et al.*, *J. Biol. Chem.*, 1965, **240**, 1579, (use)

Brown, E. *et al.*, *Tet. Lett.*, 1976, 3317, (synth, use)

Perrin, C.L. *et al.*, *J.A.C.S.*, 1980, **102**, 6299, (pmr)

Evans, S.A. *et al.*, *J. Biol. Chem.*, 1982, **257**, 3014, (use)

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