



Sigma: A8154

>>**Derivative:** $N^2, N^{4'}, N^{4''}$ -Tri-Me

Synonym(s): 3-(4-Dimethylaminophenyl)-2-methylaminopropanoic acid. *p*-Dimethylamino-*N*-methylphenylalanine

Source/Synthesis: Acid hydrol. prod. of Ostreogrycin B [HBQ52-W](#)

Physical Description: Needles + $\frac{1}{2}$ H₂O (EtOH aq.)

Melting Point: Mp 208°

Optical Rotation: $[\alpha]_D^{20} +22.6$ (c, 0.5 in 1M HCl). $[\alpha]_D -3.2$ (c, 1.076 in H₂O)

>>**Variant:** (±)-form

CAS Registry Number: 2922-41-0

Molecular Formula: C₉H₁₂N₂O₂

Molecular Weight: 180.206

Accurate Mass: 180.089878

Percentage Composition: C 59.99%; H 6.71%; N 15.55%; O 17.76%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 248°

Aldrich: 85870-6

Sigma: A1505

>>**Derivative:** $N^2, N^{4'}, N^{4''}$ -Tri-Me

Physical Description: Needles

Melting Point: Mp 214°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 1192A, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 257D, (*ir*)

Pedrazzali, A. *et al.*, *Helv. Chim. Acta*, 1957, **40**, 80, (*synth, resoln*)

Eastwood, F.W. *et al.*, *J.C.S.*, 1960, 2286

Georges, J. *et al.*, *Bull. Soc. Chim. Fr.*, 1965, 2252

Dardenne, G.A. *et al.*, *Phytochemistry*, 1972, **11**, 2567