



Use/Importance: Specific substrate for elastase

>>**Derivative:** *N*-Succinyl, 4-nitroanilide

CAS Registry Number: 52299-14-6

Molecular Formula: C₁₉H₂₅N₅O₈

Molecular Weight: 451.435

Accurate Mass: 451.170315

Percentage Composition: C 50.55%; H 5.58%; N 15.51%; O 28.35%

Use/Importance: Substrate for elastase

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 235-242°

Optical Rotation: $[\alpha]_D^{25} +25$ (c, 0.7 in MeOH)

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 779C, (ir)

Goodman, M. *et al.*, *Biopolymers*, 1966, **4**, 275, (synth)

Gertler, A. *et al.*, *Can. J. Biochem.*, 1970, **48**, 384, (synth)

Feinstein, G. *et al.*, *Biochem. Biophys. Res. Commun.*, 1973, **50**, 1020, (synth, use)

Thomson, A. *et al.*, *Eur. J. Biochem.*, 1973, **38**, 1, (synth, use)

Okada, Y. *et al.*, *Chem. Pharm. Bull.*, 1985, **33**, 5301-5309, (succinyl nitroanilide)