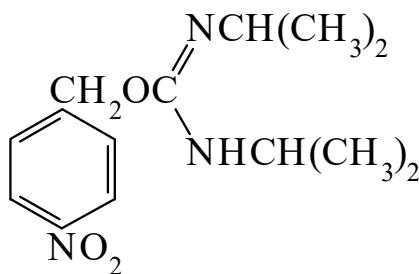




>>Entry Name: *N,N'*-Diisopropyl-*O*-*p*-nitrobenzylisourea

Synonym(s): (4-Nitrophenyl)methyl *N,N'*-bis(1-methylethyl)carbamimidate, 9Cl



CAS Registry Number: 2978-11-2

Type of Compound Code(s): PG5400 PS7600

Molecular Formula: C₁₄H₂₁N₃O₃

Molecular Weight: 279.338

Accurate Mass: 279.158292

Percentage Composition: C 60.20%; H 7.58%; N 15.04%; O 17.18%

Use/Importance: Used as derivatisation chromogenic reagent for hplc analysis of carboxylic acids

Physical Description: Cryst.

Melting Point: Mp 42°

Fluka: 38434

Sigma: N7635

References:

Schmidt, E. *et al.*, *Anal. Chem.*, 1965, **685**, 161, (*synth*)

Knapp, D.R. *et al.*, *Anal. Lett.*, 1975, **8**, 603, (*use*)

Zou, A. *et al.*, *J. Chromatogr.*, 1987, **410**, 217, (*use*)