

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

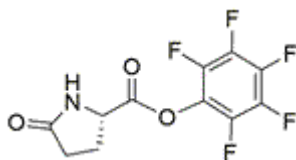
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number 04447

Product

L-Pyrogutamic acid pentachlorophenyl ester

L-Pyr-Opcp

(S)-2-Pyrrolidinone-5-carboxylic acid pentachlorophenyl ester

CAS Number 28990-85-4

Molecular Formula C₁₁H₆NO₃Cl₅

Molecular Weight 377.4

Appearance White powder

Melting Point 191 - 195 °C

Elemental Analysis (Theory) C = 34.8 ± 0.5%; H = 1.6 ± 0.5%; N = 3.7 ± 0.5%

TLC System Chloroform/Methanol/Acetic acid (90:8:2)
Chloroform/Methanol/Toluene/H₂O (8:8:8:1)
Toluene/Dioxane/Acetic acid (95:25:4)
Plate: Silica gel 60 F₂₅₄
Detected by UV, chlorine-tolidine

Optical Rotation [α]_D²⁴ = +19 ± 2 ° (C=1 in DMF)

Assay ≥ 99% (Elemental Analysis)

Storage Store at 0 - 8 °C

For Laboratory Use Only