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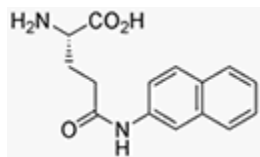
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number 06046

Product **L-Glutamic acid γ -(β -naphthylamide)**

L-Glu(β NA)-OH

L-Glutamic acid 5-(β -naphthylamide)

CAS Number 14525-44-1

Molecular Formula C₁₅H₁₆N₂O₃

Molecular Weight 272.3

Appearance White powder

Solubility Clear, colorless solution (4mg/mL in tetrahydrofuran/hydrochloric acid 1N (1:1))

Elemental Analysis (Theory) C = 66.16%; H = 5.92%; N = 10.29%

Elemental Analysis (Found) C = 66.16 $\pm$ 0.5%; H = 5.92 $\pm$ 0.5%; N = 10.29 $\pm$ 0.5%

TLC System Methanol/chloroform/ammonia 17% (2:2:1)
n-Butanol/ acetic acid/ water (4:2:2)
Chloroform/ methanol/ acetic acid 32% (5:3:1)
Plate: Silica gel 60 F₂₅₄
Detected by: UV, ninhydrin, chlorine-tolidine

Optical Rotation [a]_D²⁴ = + 13 $\pm$ 2 ° (C=1 in 1N NaOH)

Related Substances $\leq$ 0.1% Chromophore β NA

Purity by TLC $\geq$ 99%

Storage Store at 0-8 °C

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For Laboratory Use Only