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Product Specifications

Catalogue Number 07089

Product

L-Thyronine

3-[p-(p-Hydroxyphenoxy)phenyl]-L-alanine

CAS Number 1596-67-4

Molecular Formula C₁₅H₁₅NO₄

Molecular Weight 273.3

Appearance Slightly yellow powder

Solubility Clear slightly yellow or colorless solution (25 mg/mL in 50% HC00H)

Water Content (Karl Fisher) ≤ 0.5%

TLC System n-Butanol/Acetic acid/H₂O (4:2:2)
Ethyl acetate/Pyridine/Acetic acid/H₂O (60:60:12:36)
Plate: Silica gel 60 F₂₅₄
Detected by: UV, ninhydrin, chlorine-tolidine

Optical Rotation [α]_D²⁴ = -10 ± 2 ° (C=1 in 1N NaOH)

Assay by titration ≥ 97%

Purity by TLC ≥ 98%

Storage Store at 0 - 8 °C

For Laboratory Use Only