

# Chem-Impex International, Inc.

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## Product Specifications

**Catalogue Number** 07084  
**Product** **3-(2'-Quinolyl)-D-alanine**  
D-Ala(2'-quinolyl)-OH  
(R)-2-Amino-3-quinolin-2-yl-propionic acid

**CAS Number** 170421-67-7

**Molecular Formula** C<sub>12</sub>H<sub>12</sub>N<sub>2</sub>O<sub>2</sub>

**Molecular Weight** 216.23

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**Appearance** Gray powder

**Solubility** Clear pale yellow solution (50 mg/mL in 80% Acetic acid)

**Elemental Analysis (Theory)** C = 66.65%; H = 5.59%; N = 12.95%

**Elemental Analysis (Found)** C = 66.73 ± 0.5%; H = 5.68 ± 0.5%; N = 12.92 ± 0.5%

**Water Content (Karl Fisher)** ≤ 1.0%

**TLC System** Chloroform/Methanol/Acetic acid 32% (5:3:1)  
Acetonitrile/Water (7:3)  
Chloroform/MeOH/Acetic Acid/H<sub>2</sub>O (70:42:0.5:10)  
Ethyl acetate/Pyridine/Acetic acid/Water (60:20:6:11)  
Plate: Silica gel 60 F<sub>254</sub>  
Detected by UV, ninhydrin, chlorine-tolidine.

**Optical Rotation** [α]<sub>D</sub><sup>24</sup> = -28 ± 2° (C=1 in 80% AcOH)

**Purity by TLC** ≥ 99%

**Storage** Store at 0-8 °C

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**For Laboratory Use Only**