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## Product Data Sheet

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Product Name: Fmoc-3-(2-Pyridyl)-D-Alanine

Cat. No.: GA10357

### Chemical Properties

Cas. No. 185379-39-9

Chemical Name (R,E)-2-((((9H-fluoren-9-yl)methoxy)(hydroxy)methylene)amino)-3-(pyridin-2-yl)propanoic acid

SMILES O=C(O)[C@@](/N=C(OCC1C2=CC=CC=C2C3=CC=CC=C31)\O)([H])CC4=CC=CC=N4Formula  $C_{23}H_{20}N_2O_4$  M.Wt 388.42

Solubility Storage Store at 4° C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure 

### Background

Fmoc-β-(2-pyridyl)-D-Ala-OH is an Fmoc protected alanine derivative that is potentially useful for proteomics studies and solid phase peptide synthesis techniques. Alanine is one of the simplest amino acids - a methyl group as the side chain. This small side chain confers a high degree of flexibility (second only to glycine) when incorporated into a polypeptide chain. The Fmoc group is typically removed with a base such as pyridine - an orthogonal de-protection strategy to the acid labile Boc group.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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