

N α -Fmoc-D-glutamic Acid γ -tert-Butyl Ester

Cat. No. CEGZ-6888

Lot. No. (See product label)

Introduction

Description

N α -Fmoc-D-glutamic acid γ -tert-butyl ester is a side-chain protected D-glutamic acid derivative used as a building block in Fmoc solid-phase peptide synthesis. The Fmoc group protects the α -amino function and is removed under mild basic conditions, while the tert-butyl ester masks the γ -carboxyl group and is cleaved during final acidolytic deprotection.

Applications

Used as a building block in solid-phase and solution-phase peptide synthesis, particularly for the preparation of protease-resistant peptides containing D-glutamic acid residues, and in medicinal chemistry research.

Synonyms

Fmoc-D-glutamic acid 5-tert-butyl ester; N-(9-fluorenylmethoxycarbonyl)-D-glutamic acid γ -tert-butyl ester

Product Information

CAS No. 104091-08-9

Molecular Formula C₂₄H₂₇NO₆

Molecular Weight 425.5

Notes For research and development use only.

Storage and Shipping Information

Storage Store in a tightly closed container in a cool, dry place.