



# WATANABE CHEMICAL INDUSTRIES, LTD.

2-2-5 SAKAIMACHI, NAKA-KU, HIROSHIMA 730-0853 JAPAN

PHONE: 81-82-231-0540 TELEFAX: 81-82-231-1451

## ANALYTICAL CRITERIA

November 29, 2023

Code No. : K00428  
Product : Fmoc-Glu(OtBu)-OH·nH<sub>2</sub>O  
Full Name : (S)-2-(((9H-Fluoren-9-yl)methoxy)carbonyl)amino)-5-(tert-butoxy)-5-oxopentanoic acid  
Molecular Formula : C<sub>24</sub>H<sub>27</sub>N<sub>06</sub>  
Molecular Weight : 425.48  
CAS No. : 71989-18-9

Purity ( HPLC ) :  $\geq 99\%$   
Impurities : Fmoc- $\beta$ -Ala-OH  $\leq 0.5\%$   
: Fmoc- $\beta$ -Ala-Glu(OtBu)-OH  $\leq 0.5\%$   
: Fmoc-Glu(OtBu)-Glu(OtBu)-OH  $\leq 0.5\%$   
: Fmoc-Glu-OH  $\leq 0.5\%$   
Stereoisomers ( HPLC ) : Enantiomer  $\leq 0.5\%$   
Water Content( Karl-Fischer ) :  $\leq 6.0\%$

The above specification may be changed without prior notice.