Labmix24 GmbH
Kesseldorfer Rott 24
46499 Hamminkeln
Germany

Tel: +49 (0) 2852 96064 00
Fax: +49 (0) 2852 96064 24
Web: www.labmix24.com
E-Mail: info@labmix24.com

Fmoc-Ser(PO(OBzl)OH)-OH Novabiochem(R)

Art. ID	SAF-8520690050
Unit	EA
Deliverydetails	No Dangerous Good /not restricted

Description

"An excellent building block for the preparation of phosphoserine-containing peptides [1]. This derivative can be introduced using standard activation methods, such as PyBOP(R) and TBTU. The monoprotected phosphoserine residue once incorporated is stable to piperidine. Using this reagent, even peptides containing multiple phosphorylation sites can be prepared efficiently by standard Fmoc SPPS methods [2].Applications of this derivative include the preparation of phospholamban [3], a 52 residue peptide containing both phosphoserine and phosphothreonine, and human salivary statherin, a 42 residue phosphoserine peptide [4], for other examples see references [5-8].Recently, beta-piperidinylalanine formation has been shown to occur during Fmoc deprotection of N-terminal Ser(PO(OBzl)OH), particularly under microwave conditions. This side reaction can be eliminated by using cyclohexylamine or DBU just for this Fmoc deprotection step [9]. The product number for this product was previously 04-12-1154.To obtain a certificate of analysis (CoA) of a lot that begins with the letter ""A"", please select the option in the right hand menu ""Request a COA for Lot#s starting with A""."

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Fmoc-Ser(PO3BzlH)-OH	[158171-14-3]				