

2B-(SP) (TFA)

Cat. No.:	HY-P1114A		
Molecular Formula:	C ₇₁ H ₁₂₃ N ₂₆ O ₂₉ P.xC ₂ HF ₃ O ₂		
Sequence:	Arg-Arg-Ala-Ala-Glu-Glu-Leu-Asp-Ser-Arg-Ala-Gly-{Ser(PO ₃ H ₂)}-Pro-Gln-Leu		
Sequence Shortening:	RRAAEELDSRAG-{Ser(PO ₃ H ₂)}-PQL		RRAAEELDSRAG-{Ser(PO ₃ H ₂)}-PQL (TFA salt)
Target:	GSK-3		
Pathway:	PI3K/Akt/mTOR; Stem Cell/Wnt		
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.		

BIOLOGICAL ACTIVITY

Description	2B-(SP) TFA is a eIF2B-based substrate for glycogen synthase kinase-3 (GSK-3). 2B-(SP) TFA is readily phosphorylated by both the α and β isoforms of GSK-3 ^[1] .		
IC₅₀ & Target	GSK-3 α	GSK-3 β	

REFERENCES

[1]. G I Welsh, et al. Peptide substrates suitable for assaying glycogen synthase kinase-3 in crude cell extracts. *Anal Biochem.* 1997 Jan 1;244(1):16-21.

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

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