



Product Data Sheet

Product Name:	Crosstide	
Catalog Number:	AS-60209-1 (1 mg) AS-60209-5 (5 mg)	Lot Number: See label on vial
Sequence:	H-Gly-Arg-Pro-Arg-Thr-Ser-Ser-Phe-Ala-Glu-Gly-OH (3-letter code) GRPRTSSFAEG (1-letter code)	
Molecular Weight:	1165.3	
Peptide Purity:	>95%	
Appearance:	Lyophilized white powder	

Peptide Reconstitution: Using H₂O, reconstitute by adding 100 µl to 1 mg Crosstide.

Storage: Crosstide is shipped at ambient temperature. Upon receipt, store lyophilized peptide at -20°C or lower. Reconstituted peptide can be aliquoted and stored at -20°C or lower.

Description: Crosstide is a peptide analog of glycogen synthase kinase-3 (GSK-3) that functions as a natural substrate for Akt/PKB. It displays similar specificities towards PKB α , PKB β and PKB γ isoforms. It is also recognized by MAPKAP kinase-1 and p70S6K. The fluorescent and biotinylated peptides demonstrate similar enzyme activities. Ref: Dai, F. et al. *Biochem. Biophys. Res. Commun.* **293**, 1191 (2002). Meier, R. et al. *J. Biol. Chem.* **272**, 30491 (1997); Chan, TO. et al. *Ann. Rev. Biochem.* **68**, 965 (1999).

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Related Products:

Name	Cat #	Size
Crosstide [GRPRTSSFAEG], 5-FAM labeled, Abs/Em=492/518 nm	AS-60435-1	1 mg
(5-FAM-GRPRTSSFAEG)	AS-60435-5	5 mg

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