



Product Data Sheet

Product Name:	Pannexin-1 (Panx1), Mimetic Blocking Peptide	
Catalog Number:	AS-61911 (1 mg)	Lot Number: See label on vial
Sequence:	H-Trp-Arg-Gln-Ala-Ala-Phe-Val-Asp-Ser-Tyr-OH (3-letter code) WRQAAFVDSY (1-letter code)	
Molecular Weight:	1242.4	
Peptide Purity:	>95%	
Appearance:	Lyophilized white powder	

Peptide Reconstitution: Pannexin-1 peptide is freely soluble in water.

Storage: Pannexin-1 peptide 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: This is a Pannexin-1 (Panx1) mimetic blocking peptide. Pannexin-1 is a recently identified membrane protein that can form gap junction-like connections allowing intercellular passage of dyes when overexpressed in two adjacent oocytes or mammalian epithelial cell lines. Blockade of pannexin-1 in macrophage endogenously expressing the ATP-gated P2X7 receptor (P2X7R) blocks the initial dye uptake, but not the ionic current, and also blocks processing and release of interleukin- 1β (IL- 1β) in response to P2X7R activation. Ref: Pelegrin, P. et al. *EMBO J.* **25**, 5071 (2006); Pelegrin, P. et al. *J. Biol. Chem.* **282**, 2386 (2007).

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