



## Product Data Sheet

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<b>Product Name:</b>	IKKy NEMO Binding Domain (NBD) Inhibitory Peptide	
<b>Catalog Number:</b>	AS-61169 (0.5 mg)	<b>Lot Number:</b> See label on vial
<b>Sequence:</b>	H-Asp-Arg-Gln-Ile-Lys-Ile-Trp-Phe-Gln-Asn-Arg-Arg-Met-Lys-Trp-Lys-Lys-Thr-Ala-Leu-Asp-Trp-Ser-Trp-Leu-Gln-Thr-Glu-OH (3-letter code) DRQIKIWFQNRRMKWKKTALDWSWLQTE (1-letter code)	
<b>Molecular Weight:</b>	3693.3	
<b>Peptide Purity:</b>	>95%	
<b>Appearance:</b>	Lyophilized white powder	

**Peptide Reconstitution:** IKKy NMB peptide is freely soluble in water.

**Storage:** IKKy NMB peptide is shipped at ambient temperature. Upon receipt, store lyophilized peptide at  $-20^{\circ}\text{C}$  or lower. Reconstituted peptide can be aliquoted and stored at  $-20^{\circ}\text{C}$  or lower.

**Description:** A cell-permeable synthetic peptide NEMO-binding domain peptide (NBD peptide) corresponding to the NEMO amino-terminal alpha-helical region is shown to block TNF-alpha-induced NF-kB activation. The interaction of IK $\gamma$ NEMO with the IKK complex is critical for the activation of the IKK complex and the subsequent activation of NF-kB. Ref: Paria, B. et al. *J. Biol. Chem.* **278**, 37195 (2003); Tian, M. et al. *Blood* 10.1182/blood-2004-04-1248 (2005); Bharti, A. *Blood* **101**, 1053 (2003).

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