IKK-NBD peptide

NF-κB inhibitor

The peptide consists of two domains - an antennapedia homeodomain that confers cell permeability and the T735 to E745 region of IKKβ which is the NEMO binding domain (NBD). It is a selective inhibitor of NFκB activation. Blocks interaction of NEMO (an IKB complex regulatory protein) with the IκB kinase complex. The peptide (100 μM) inhibits E-selectin expression in human umbilical vein endothelial cells treated with TNFα and inhibits LPS-induced nitric acid release from a macrophage cell line In an experimental mouse model of acute inflammation, IKK-NBD peptide (topically applied) inhibited PMA induced ear inflammation. Sold under license from Vanderbilt University

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BML-P607-0500	0.5mg

Manuals, SDS & CofA View Online »

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	Lyophilized solid
MW	3694.0
Purity	≥95% (HPLC)
Sequence	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
Solubility	Soluble in DMSO (20mM). Note: This peptide will precipitate when added to tissue culture medium, even to 100µM. However, enough will remain in solution to enter many cell types.

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ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

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