

Product Datasheet

Z-D(OMe)E(OMe)VD(OMe)-FMK (Caspase 3/7 Inhibitor) NBP2-29396

Unit Size: 1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NBP2-29396

Z-D(OMe)E(OMe)VD(OMe)-FMK (Caspase 3/7 Inhibitor)

Product Information	
Unit Size	1 mg
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Buffer	Form: White Solid Make a stock solution of 20 mM in high purity DMSO (>99.9%).
Product Description	
Immunogen	Z-Asp(OMe)-Glu(OMe)-Val-Asp(OMe)-FMK Z-D(OMe)E(OMe)VD(OMe)-FMK
Preparation Method	Formula: C ₃₀ H ₄₁ O ₁₂ N ₄ F Molecular Weight: 668 Mass Spec: M+1=669.3. Chromatography: EtOAc:9, Hex: 1, Single Spot, Rf:0.5
Inhibitor Family	Caspase
Inhibitor Target	Caspase 3/7
Product Application Details	
Application Notes	This inhibitor is designed as a methyl ester to facilitate cell permeability. If the intended use is on purified or recombinant enzymes, esterase should be added to generate the free carboxyl groups.



Procedures

Product Handling - Assay Method (NBP2-29396)

Product Handling - Assay Method (NBP2-29396):

Materials:

Dissolve 1mg of Z-D(OMe)E(OMe)VD(OMe)-FMK in DMSO to get appropriate concentration:

75 ul DMSO = 20mM

150 ul DMSO = 10 mM

300 ul DMSO = 5 mM

Method:

Add 2 ul of above stock solutions to 1 ml of culture medium containing cells to give final DMSO concentration of 0.2%. Levels of DMSO above this may cause some cellular toxicity thus masking the effect of the ICE-protease inhibitors. Two microliter of 10mM stock solution in 1 ml medium = 20 uM final Z-D(OMe)E(OMe)VD(OMe)-FMK concentration. Caspase inhibitors have been successfully used in tissue cultures to inhibit apoptosis at final working concentrations of approximately 50 nM to 100 uM. The variability reflects cell type and method. Investigators should determine the optimal concentration empirically.





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Inhibitors are guaranteed for 1 year from date of receipt.

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