

Product Datasheet

Z-LE(OMe)HD(OMe)-FMK (Caspase 9 Inhibitor) NBP2-29398

Unit Size: 1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-29398

Z-LE(OMe)HD(OMe)-FMK (Caspase 9 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 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Buffer	Form: Tan crystals, (crystalline gel) Store well desiccated and under nitrogen, very hygroscopic For extra precaution, store the solid product under a blanket of nitrogen because it is hygroscopic material.
Product Description	
Immunogen	Z-Leu-Glu(OMe)-His-Asp(OMe)-FMK TFA Caspase Inhibitor Z-LE(OMe)HD(OMe)-FMK Z-LEHD-FMK
Details of Functionality	Molecular Weight: 690 (not including TFA salt) Formula: C ₃₂ H ₄₃ N ₆ O ₁₀ F Mass Spec: M+1=691.2 TLC: B:8, A:1, W:1, Rf:065 NMR: All functional groups are present
Inhibitor Family	Caspase
Inhibitor Target	Caspase 9
Product Application Details	
Applications	In vitro assay
Recommended Dilutions	In vitro assay
Application Notes	1. 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. Please contact us for more details. 2. For in-vivo or in-vitro experiments extending longer than 12 hrs, fresh inhibitor may have to be added to culture medium or injected into animals.



Procedures

Product Handling - Assay Method (NBP2-29398)

Product Handling - Assay Method (NBP2-29398):

Materials:

Dissolve 5 mg of Z-LEHD-FMK in DMSO to get appropriate concentration:

310 ul DMSO = 20 mM

620 ul DMSO = 10 mM

1240 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. 2 ul of 10 mM stock in 1 ml medium = 20 uM final Z-LEHD-FMK concentration.





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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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