



PRODUCT DATA SHEET

Product: Ac-IETD-CHO (Caspase-8/FLICE Inhibitor-CHO)

Cat. No.: AB-026 (5 mg)

Chemical Name:

Acetyl-Ile-Glu-Thr-Asp-CHO

Formula:

C₂₁H₃₄N₄O₁₀

Molecular Weight:

502

Description:

White lyophilized powder. Peptide-aldehyde inhibitor of caspases.

Introduction:

Caspase-8/FLICE (also known as MACH or Mch5) is a member of the caspase family of cysteine proteases. Caspases play an important role in apoptosis signaling and effector mechanisms. Caspase-8 is most similar to caspase-10, both of which have "death domain" motifs. Caspase-8 appears to be physically associated with the signaling mechanism during Fas-mediated cell death and its association with Fas or tumor necrosis factor receptors via an interaction with FADD suggests it functions as an initiator rather than an effector of the cell death pathway. Thus, Caspase-8 is an upstream activator in the protease cascade that proteolytically matures other caspases.

Specificity:

Inhibits Caspase-8 and granzyme B. Inhibition of caspase-8 or granzyme B in cell extracts. Methylated peptide-FMK inhibitors (eg. Caspase-8/FLICE Inhibitor, Cat No. AB-004) are superior for use on live cells.

Purity:

>95% by HPLC

Solubility:

Soluble in DMSO.

Protocol:

It is recommended that stock solutions be prepared in high-purity DMSO (>99.9%), and then diluted into aqueous medium. Stock solutions should not be stored.

Storage and Stability:

Store at -20°C, desiccated. Do not store stock solutions. Stable for 6 months when stored as recommended. Stock solutions should be prepared shortly prior to use.

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.