Ac-DEVD-CHO

Caspase-3 inhibitor

Highly specific, potent and reversible inhibitor of caspase-3. K_i<1nM for purified caspase-3. IC_{50}=0.2nM for PARP cleavage in cultured human osteosarcoma cell extracts. In contrast, the caspase-1 (ICE) specific inhibitor YVAD-CHO has a K_i=12µM for caspase-3 and IC_{50}>10µM for PARP cleavage in osteosarcoma cell extracts. The DEVD sequence is based on PARP cleavage site Asp-216 for caspase-3.

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ALX-260-030-M005	5mg

Manuals, SDS & CofA View Online »

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stock solutions should be divided into aliquots and stored at -20°C. Solutions are stable for at least 1 month when stored at -20°C in the dark and protected from moisture.
Handling	Keep under nitrogen. Keep cool and dry.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Caspase-3 inhibitor (aldehyde), Caspase-7 inhibitor (aldehyde)
CAS	169332-60-9
Formula	$C_{20}H_{30}N_4O_{11}$
Formulation	Lyophilized.
MW	502.5
Peptide Content	70-90%.
Purity	≥95% (HPLC)
Reconstitution	Add 0.2ml DMSO per 1mg peptide. Shake well until all the contents are dissolved. This furnishes a 10mM solution of this material.
Sequence	Ac-Asp-Glu-Val-Asp-CHO
Solubility	Soluble in distilled water or DMSO.

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