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ENZYME SYSTEMS PRODUCTS

a division of



Certificate of Analysis

BOC-Asp(OMe)CH₂F

Catalog #: FK011

Lot #: VM134

TARGET: General Caspase Inhibitor

SEQUENCE: BOC-Asp(OMe)CH₂F
BOC-D(OMe)-FMK

The novel Boc-D(OMe)-FMK inhibitor **synthesized using proprietary technology** is cell permeable and irreversibly binds to activated Caspases to block apoptosis. Apoptosis is a physiological form of cell death, which plays important role in embryogenesis, cellular homeostasis, tissue atrophy, and removal damaged and mutated cells. Caspases, which act as molecular chainsaw are the central components of apoptosis response. Caspases are cysteine proteases that cleave after aspartate residue in their substrates. At least 7 of 14 known mammalian caspases have important role in apoptosis.

Molecular Weight: 263

Storage: Keep cool and dry

Form: Oil to white solid

ANALYTICAL DATA:

NMR: Confirmed

TLC: Single-Spot(EtoAc: Hexane, 3.7) Rf:0.5

NOTE: The Carboxyl groups are OMe ester form to enhance cell permeability. If purified enzyme is used, esterase should be added for the hydrolysis of the ester groups.

Approved by: Robert Beattie

Quality Control Director

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