



MP Biomedicals, LLC

29525 Fountain Parkway
Solon, Ohio 44139

Telephone: 440/337-1200

Toll Free: 800/854-0530

Fax: 440/337-1180

mailto: biotech@mpbio.com

web: www.mpbio.com

ENZYME SYSTEMS PRODUCTS

a division of



Certificate of Analysis

BOC-Asp(OMe)CH₂F

Catalog #: FK011

Lot #: 10VMFK011

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: 263.3

Storage: -20°C

Form: White Semi Solid

CAS Number: 634911-80-1

ANALYTICAL DATA:

NMR: Confirmed

TLC: Single Spot (EtOAc/Hexane=3/7), R_f:0.5

SOLUBILITY: >5mg/mL in DMSO

Recommended Retest Date: 5/9/2019

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: Christina Marotta

Quality Control Director

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