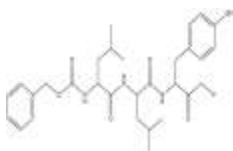


**EZSolution™ Calpain Inhibitor, Z-LLY-FMK**

CATALOG #: 1125-20C

AMOUNT: 20 µl (10 mM)

STRUCTURE:

MOLECULAR FORMULA: C<sub>30</sub>H<sub>40</sub>FN<sub>3</sub>O<sub>6</sub>

MOLECULAR WEIGHT: 557.65

CAS NUMBER: 133410-84-1

APPEARANCE: Liquid

FORMULATION: A 10 mM solution in DMSO

PURITY: &gt;95% by HPLC

STORAGE CONDITIONS: Store at -20° C.

SHELF LIFE: 1 year under proper storage conditions

**DESCRIPTION:** A potent, cell-permeable, and irreversible inhibitor of calpain II ( $k_2 = 28,900 \text{ M}^{-1}\text{s}^{-1}$ ). Also acts as an inhibitor of cathepsin L ( $k_2 = 680,000 \text{ M}^{-1}\text{s}^{-1}$ ).

**RECOMMENDED USAGE:** The effective final concentrations of the Calpain inhibitor is estimated to be 20-50 µM.

**RELATED PRODUCTS:**

Q-VD-OPh (Cat. No. 1170-1, 5)

EZSolution™ Q-VD-OPh (Cat. No. 1173-1)

Q-VD-OPh, Negative Control (Cat. No. 1171-1, 5)

EZSolution™ Q-VD-OPh, Negative Control (Cat. No. 1174-1)

Z-VAD (OMe)-FMK (Cat. No. 1140-1, 5)

Boc-D (OMe)-FMK (Cat. No. 1160-1, 5)

Q-D (OMe)E(OMe)VD(OMe)-OPh (Cat. No. 1175-1, 3,5)

Q-LE (OMe)HD(OMe)-OPh (Cat. No. 1177-1, 3, 5)

**FOR RESEARCH USE ONLY! Not to be used in humans.**