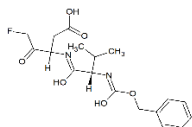


MX-1013

ALTERNATE NAME: Z-VAL-DL-ASP-FLUOROMETHYLKETONE
MX 1013
3-((S)-2-(((benzyloxy)carbonyl)amino)-3-methylbutanamido)-5-fluoro-4-oxopentanoic acid
Z-VD-FMK
MX-1013

CATALOG #: B2588-5 5 mg
B2588-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₈H₂₃FN₂O₆

MOLECULAR WEIGHT: 382.39

CAS NUMBER: 582316-00-5

APPEARANCE: Lyophilized solid

PURITY: ≥95% by HPLC

SOLUBILITY: DMSO

DESCRIPTION: MX-1013, as a potent, irreversible dipeptide caspase inhibitor. It inhibits caspases 1, 3, 6, 7, 8, and 9, with IC₅₀ values ranging from 5 to 20 nM. MX1013 is selective for caspases, and is a poor inhibitor of non-caspase proteases, such as cathepsin B, calpain I, or Factor Xa (IC₅₀ values >10 μM).

STORAGE TEMPERATURE: -20°C. Protect from light

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Z-VAD-FMK (1140)
Z-DEVD-FMK (1143)
Caspase-Family Inhibitor Z-VAD-FMK (1010)
Caspase-3 Inhibitor Z-DEVD-FMK (1009)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*