



biochemicals

Manufactured by VDM Biochemicals.LLC

5386 Majestic Parkway, Unit-9, Bedford Heights, OH 44146, USA

Phone Number: 1-440-786-9400

Fax Number: 1-440-786-9410

Email: sales@vdm.bio

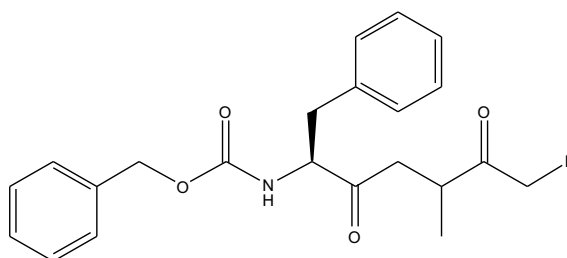
Product Data Sheet

Product name: **Z-FA-FMK (Cathepsin B inhibitor)**

Cat. number: **VD-NP-0070** CAS Number: **105637-38-5** Lot number: **VD12-7003901** www.vdm.bio

Personal protective equipment

- Lab coat.
- Safety glasses.



Product Specification

Formula:	C ₂₁ H ₂₃ N ₂ O ₄ F
MW:	386.42
Purity:	>=98%
Appearance:	White to off-white powder
Solubility:	DMSO or DMF: soluble 20 mM
Storage:	-20°C.
Synonyms:	Z-Phe-Ala fluoromethyl ketone; Z-Phe-Ala-FMK

Product Description:

Cell permeable negative control for FMK-labelled caspase inhibitors. Irreversible inhibitor of cathepsins B, L, and S, and likely cathepsin H, as well as cruzain and papain. Has recently been shown to inhibit effector, but not initiator, caspases in vitro, and suppress some forms of apoptosis. Has been used in vivo.

Product References

1. Z-FA-fmk inhibits effector caspases but not initiator caspases 8 and 10, and demonstrates that novel anticancer retinoid-related molecules induce apoptosis via the intrinsic pathway.: F. J. Lopez-Hernandez et al.; Mol. Cancer Ther. 2, 255 (2003).

Signature _____