

AG-CP3-0008

11-Jun-2013

Z-VRPR-FMK

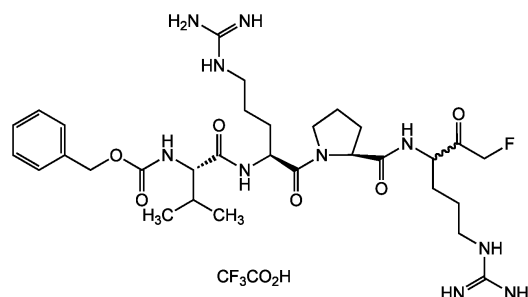
[Z-Val-Arg-Pro-DL-Arg-FMK . TFA]

AG-CP3-0008-C500
AG-CP3-0008-M001

500 µg
1 mg

Formula
MW

C₃₁H₄₉FN₁₀O₆ · C₂HF₃O₂
676.8 . 114.0



Handling / Storage

Shipping: AMBIENT
Short Term Storage: +4°C
Long Term Storage: -20°C

Avoid freeze/thaw cycles. Hygroscopic. Protect from moisture.

Use / Stability

Stable for at least 3 years after receipt when stored at -20°C.

MSDS available at www.adipogen.com or upon request.

Product Specifications

Source/Host: Synthetic.
Purity: ≥90% (HPLC)
Identity: Determined by MS.
Appearance: White to slightly yellow solid.
Solubility: Soluble in water.

Product Description

- Selective cell permeable and irreversible MALT1 inhibitor.
- Inhibits NF-κB-dependent gene expression and affects the growth, proliferation and survival of activated B cell-like diffuse large B cell lymphomas (ABC-DLBCL) and germinal center B cell like diffuse large B cell lymphoma (GCB-DLBCL) cell lines.
- Shown to inhibit the autoprocesing activity of MCA2^{ac} (calcium dependent) in *Trypanosoma brucei*.

WARNING: Intended for research use only. This product is not intended or approved for human, diagnostics, therapeutic or veterinary use. Use of this product for human or animal testing is extremely hazardous and may result in disease, severe injury, or death. **MATERIAL SAFETY DATA:** Review the complete Material Safety Data Sheet before use.

Adipogen AG
Schützenstrasse 12
4410 Liestal
Switzerland
TEL +41-61-926-60-40
FAX +41-61-926-60-49
info@adipogen.com

Adipogen Corp.
11588 Sorrento Valley Road, Suite 16
San Diego CA 92121-1336
USA
TEL (858) 457-8383
FAX (858) 457-8484
info-us@adipogen.com

Adipogen, Inc.
Room 401, Venture Building B, Songdo TechnoPark,
7-50 Sondo-dong, Yeonsu-gu, Incheon, 406-840,
South Korea
TEL 032-858-1470
FAX 032-831-1470
info@adipogen.com

For Local Distributors please visit
www.adipogen.com

Product Specific References

1. The proteolytic activity of the paracaspase MALT1 is key in T cell activation: F. Rebeaud, et al.; Nat. Immunol. **9**, 272 (2008)
2. Essential role of MALT1 protease activity in activated B cell-like diffuse large B-cell lymphoma: S. Hailfinger, et al.; PNAS **106**, 19947 (2009)
3. Selective C-Rel Activation via Malt1 Controls Anti-Fungal TH-17 Immunity by Dectin-1 and Dectin-2: S.I. Gringhuis, et al.; PLoS Pathogens **7**, e1001259 (2011)
4. Crystal structure of a *Trypanosoma brucei* metacaspase: K. McLuskey, et al.; PNAS **109**, 7469 (2012)
5. MALT1 Small Molecule Inhibitors Specifically Suppress ABC-DLBCL *In Vitro* and *In Vivo*: L. Fontan, et al.; Cancer Cell **22**, 812 (2012)
6. The protease activity of the paracaspase MALT1 is controlled by monoubiquitination: C. Pelzer, et al.; J. Immunol. **14**, 337 (2012)

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