



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](mailto:sales@vdm.bio)

## Product Data Sheet

Product name: **MMP-13 Inhibitor**

Cat. number: **VD-OEIA-10021**

CAS Number: **544678-85-5**

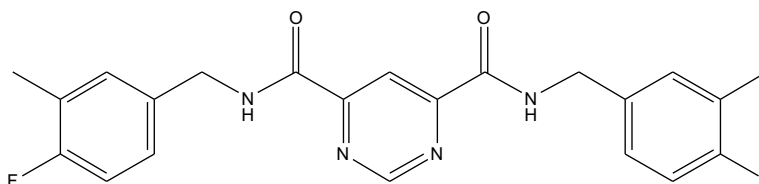
Lot number: **VD9309300**

[www.vdm.bio](http://www.vdm.bio)

### Personal protective equipment

■ Lab coat.

■ Safety glasses.



### Product Specification

**Formula:**

C<sub>22</sub>H<sub>20</sub>F<sub>2</sub>N<sub>4</sub>O<sub>2</sub>

**MW:**

410.4

**Purity:**

≥98% by HPLC

**Appearance:**

Light yellow solid

**Solubility:**

DMSO

**Storage:**

+2°C to +8°C. **Protect from light.**

**Synonyms:**

N4,N6-bis(4-fluoro-3-methylbenzyl)pyrimidine-4,6-dicarboxamide

### Product Description:

Potent inhibitor of MMP-13 activity with expected selectivity over MMP-1, -2, -3, -7, -8, -9, -10, -12, -14 and -16. Demonstrates a binding to the MMP-13 catalytic domain and acts as a non-zinc-chelating inhibitor.

### Product References

1. Engel, C.K., et al. 2005. Chem. Biol. 12: 181-189.

*Signature* \_\_\_\_\_