

PRODUCT:

Vonoprazan fumarate

ALTERNATE NAME:

1-(5-(2-fluorophenyl)-1-(pyridin-3-ylsulfonyl)-1H-pyrrol-3-yl)-N-methylmethanamine fumarate; TAK-438

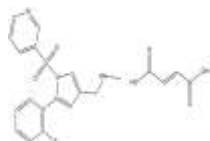
CATALOG #:

B2292-50, 250

AMOUNT:

50 mg, 250 mg

STRUCTURE:



MOLECULAR FORMULA:

$C_{17}H_{16}FN_3O_2S \cdot C_4H_4O_4$

MOLECULAR WEIGHT:

461.5

CAS NUMBER:

1260141-27-2

APPEARANCE:

Crystalline solid

SOLUBILITY:

DMSO

PURITY:

≥98% by HPLC

STORAGE:

Store at -20°C. Protect from air and light

DESCRIPTION:

Vonoprazan fumarate is a Potassium-competitive acid blocker (P-CAB) that inhibits gastric H^+/K^+ ATPase ($IC_{50} = 17$ nM) but does not inhibit porcine Na^+/K^+ ATPase activity when used at a concentration of 10 μ M.

REFERENCES:

Sugano, K. (2018). *Therap. Adv. Gastroenterol* 11: 1756283X17745776.

HANDLING:

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

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RELATED PRODUCTS:

Bafilomycin A1 (Cat. No. 1829-50, 250)

(+)-Blebbistatin (Cat. No. 2407-1, 5)

(±)-Blebbistatin (Cat. No. 2405-5, 25)

(-)-Blebbistatin (Cat. No. 2406-1, 5)

Bufalin (Cat. No. 2509-10, 50)

Concanamycin A (Cat. No. B2091-25,100)

Ouabain (Cat. No. B2068-10, 50)

Vonoprazan fumarate (B2292-5,25)

USAGE:

FOR RESEARCH USE ONLY! Not to be used in humans