

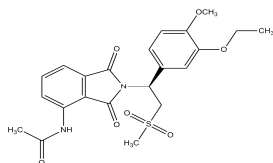
**PRODUCT: Apremilast**

**ALTERNATE NAME:** N-{2-[(1S)-1-(3-Ethoxy-4-methoxyphenyl)-2-(methylsulfonyl)ethyl]-1,3-dioxo-2,3-dihydro-1H-isoindol-4-yl}acetamide

**CATALOG #:** 2352-5, 25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>22</sub>H<sub>24</sub>N<sub>2</sub>O<sub>7</sub>S

**MOLECULAR WEIGHT:** 460.50

**CAS NUMBER:** 608141-41-9

**APPEARANCE:** White solid

**SOLUBILITY:** DMSO (>80 mg/ml)

**PURITY:** ≥98% by HPLC

**STORAGE:** At -20°C. Protect from air and moisture

**DESCRIPTION:** Apremilast is a potent PDE4 (phosphodiesterase 4) inhibitor (IC<sub>50</sub> = 74 nM). It reduces TNF-α production in human synovial cells and significantly suppresses experimental arthritis.

**REFERENCE:** Schett, G., *et al.* (2010). *Ther Adv Musculoskelet Dis.* **5**, 271–278; McCann, F.E., *et al.* (2010). *Arthritis Res. Ther.* **12**, R107.

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

**RELATED PRODUCTS:**

IBMX (Cat. No. 1714-100)

Milrinone (Cat. No. 2163-5, 25)

PhosphoSeek™ PDE5 A Assay Kit (Cat. No. K705-400)

PDE3 Antibody (Cat. No. 3956-200)

(R,S)-Rolipram (Cat. No. 2010-5)

RO 20-1724 (Cat. No. 2042-50, 250)

Zaprinast (Cat. No. 1715-25)

**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**