

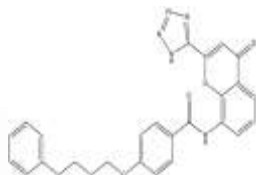
**PRODUCT: ONO1078**

**ALTERNATE NAME:** N-[4-oxo-2-(2H-tetrazol-5-yl)chromen-7-yl]-4-(4-phenylbutoxy)benzamide ; Pranlukast

**CATALOG #:** B1099-5, 25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>27</sub>H<sub>23</sub>N<sub>5</sub>O<sub>4</sub>

**MOLECULAR WEIGHT:** 481.5

**CAS NUMBER:** 103177-37-3

**APPEARANCE:** White Solid

**SOLUBILITY:** DMSO (>20 mg/ml)

**PURITY:** ≥98% by HPLC

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

**DESCRIPTION:** ONO-1078 is a novel leukotriene antagonist that inhibits and reverses human bronchial contraction induced by leukotrienes C4 and D4 and antigen *in vitro*. It also shows concentration dependent inhibition and reverses contraction of isolated human bronchus induced by LTC4 and LTD4 and antigen. ONO-1078 was 100 times more potent than FPL-55712 in inhibiting LTC4 induced contractions.

**REFERENCES:** Suzuki M., *et.al.* (2003 ). *J Asthma* **40**, 395-404

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

**RELATED PRODUCTS:**

MK-571 (Cat. No. 2691-5, 25)

MK-571, sodium salt (Cat. No. 2692-5, 25)

NSC-23925 (Cat. No. 2686-5, 25)

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