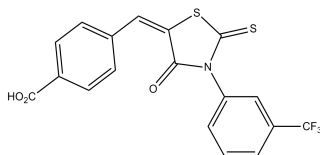


**Product: CFTR Inhibitor-172****ALTERNATE NAME:** 4-[[4-Oxo-2-thioxo-3-[3-trifluoromethyl)phenyl]-5-thiazolidinylidene]methyl]benzoic acid; CFTR(inh)-172**CATALOG #:** 2487-1, 5**AMOUNT:** 1 mg, 5 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>18</sub>H<sub>10</sub>F<sub>3</sub>NO<sub>3</sub>S<sub>2</sub>**MOLECULAR WEIGHT:** 409.40**CAS No.** 307510-92-5**APPEARANCE:** Pale yellow solid**SOLUBILITY:** DMSO (>10 mg/ml)**PURITY:** >98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light**DESCRIPTION:** A potent, reversible, selective, CFTR chloride channel blocker. Inhibits CFTR short-circuit current in < 2 minutes in a voltage-independent manner (K<sub>i</sub> = ~ 300 nM). At concentrations fully inhibiting CFTR, CFTR(inh)-172 does not block increase of cellular cAMP or inhibit non-CFTR Cl(-) channels, multidrug resistance protein-1 (MDR-1), ATP-sensitive K(+) channels, or a series of other transporters.**REFERENCES:** Ma, T., *et al.* (2002). *J. Clin. Invest.* **110**, 1651-1658.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

Forskolin (Cat. No. 1531-5)

Glibenclamide (Cat. No. 1878-500, 1000)

**FOR RESEARCH USE ONLY! Not to be used in humans.**