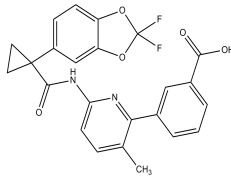


PRODUCT: VX-809**RELATED PRODUCTS:**
CFTR Inhibitor-172 (Cat. No. 2487-1,5)**ALTERNATE NAME:** 3-(6-(1-(2,2-difluorobenzo[d][1,3]dioxol-5-yl)cyclopropanecarboxamido)-3-methylpyridin-2-yl)benzoic acid; Lumacaftor**CATALOG #:** 2857-5, 25**AMOUNT:****STRUCTURE:****MOLECULAR FORMULA:** C₂₄H₁₈F₂N₂O₅**MOLECULAR WEIGHT:** 452.41**CAS NUMBER:** 936727-05-8**APPEARANCE:** White to off-white solid**SOLUBILITY:** DMSO (>90 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20 °C. Protect from air and light**DESCRIPTION:** VX-809 is a novel CFTR corrector that modulates the folding and trafficking of CFTR protein. VX-809 stabilizes an N-terminal domain in CFTR that contains only MSD1 (membrane-spanning domain 1) and efficaciously restores function to CFTR forms that have missense mutations in MSD1. The action of VX-809 on MSD1 appears to suppress folding defects in F508del-CFTR by enhancing interactions among the NBD1, MSD1, and MSD2 domains.**REFERENCES:** Ren, H.Y., *et al.* (2013). *Mo. Biol. Cell* **24**, 3016-3024.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**