

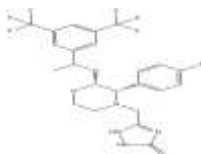
PRODUCT: Aprepitant

ALTERNATE NAME: 5-[[[(2R,3S)-2-[(1R)-1-[3,5-bis(trifluoromethyl)phenyl]ethoxy]-3-(4-fluorophenyl)-4-morpholinyl]methyl]-1,2-dihydro-3H-1,2,4-triazol-3-one; Emend; L-754,030; MK-869; ONO-7436

CATALOG #: 9531-10, 50

AMOUNT: 10 mg, 50 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₃H₂₁F₇N₄O₃

MOLECULAR WEIGHT: 534.43

CAS NUMBER: 170729-80-3

APPEARANCE: Off-white solid

SOLUBILITY: DMSO (>30 mg/ml)

PURITY: ≥98% by HPLC

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

DESCRIPTION: Aprepitant is an anti-emetic compound that acts as a selective antagonist of human NK1 receptor (K_s = 3 and 454.1 nM for hNK1 and hNK3, respectively; IC₅₀ = 0.09 nM for hNK1). Its prodrug is Fosaprepitant (Cat. No. 9529).

REFERENCES: Bissantz, C., *et al.* (2012). *J. Med. Chem.* **55**, 5061-5076.

RELATED PRODUCTS:

Aprepitant (**Cat. No. 9531-10,50**)

Fosaprepitant (**Cat. No. 9529-10,50**)

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**