

PRODUCT:**Aprepitant****ALTERNATE NAME:**

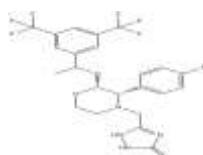
5-[(2R,3S)-2-[(1R)-1-[3,5-bis(trifluoromethyl)phenyl]ethoxy]-3-(4-fluorophenyl)-4-morpholinyl]methyl]-1,2-dihydro-3H-1,2,4-triazol-3-one; Emend; L-754,030; MK-869; ONO-7436

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 ($K_{iS} = 3$ and 454.1 nM for hNK1 and hNK3, respectively; $IC_{50} = 0.09$ 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