**PRODUCT:** FTI-277 hydrochloride

**ALTERNATE NAME:** N-[4-[2(R)-Amino-3-mercaptopropyl]amino-2-phenylbenzoyl]methionine methyl ester hydrochloride

**CATALOG #:** 2874-5, 25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**

![Structure](image)

**MOLECULAR FORMULA:** C_{22}H_{29}N_{3}O_{3}S_{2}.HCl

**MOLECULAR WEIGHT:** 484.07

**CAS NUMBER:** 180977-34-8

**APPEARANCE:** Off-white solid

**SOLUBILITY:** DMSO (>50 mg/ml)

**PURITY:** ≥98% by HPLC

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

**DESCRIPTION:** FTI-277 is a potent and selective farnesyltransferase (FTase) inhibitor (IC_{50} = 0.5 nM). It potently inhibits (IC_{50} = 100 nM) H-Ras, but not the geranylgeranylated Rap1A processing in whole cells. FTI-277 blocks constitutive activation of mitogen-activated protein kinase (MAPK) in H-RasF, but not H-RasGG, or Ras-transformed cells.


**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

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**RELATED PRODUCTS:**
- FTI-277 hydrochloride (Cat. No. 2874-5, 25)
- Manumycin A (Cat. No. 2333-1,5)