Product Name: FTI 277  
Catalog No.: 2407  
Batch No.: 2  
CAS Number: 1217447-06-7  
IUPAC Name: \( N-[4-[2(R)-Amino-3-mercaptopropyl]amino-2-phenylbenzoyl]methionine \) methyl ester trifluoroacetate salt

1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: \( C_{22}H_{29}N_{3}O_{3}S_{2}.C_{2}HF_{3}O_{2} \)
   Batch Molecular Weight: 561.64
   Physical Appearance: White solid
   Solubility: water to 5 mM
   Storage: Store at -80°C
   Batch Molecular Structure:

2. ANALYTICAL DATA

   HPLC: Shows 95% purity
   \(^1\)H NMR: Consistent with structure
   Mass Spectrum: Consistent with structure
Product Information

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Catalog No.: 2407
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CAS Number: 1217447-06-7
IUPAC Name: \(N\)-[4-[2(R)-Amino-3-mercaptopropyl]amino-2-phenylbenzoyl]methionine methyl ester trifluoroacetate salt

Description:
Prodrug form of FTI 276 (Cat. No. 2406) that inhibits farnesyltransferase (FTase) \((IC_{50} = 0.5 \text{ nM})\). Inhibits H-Ras and K-Ras processing in whole cells \((IC_{50} \text{ values are } 0.1 \text{ and } 10 \mu\text{M respectively})\) and disrupts constitutive H-Ras-specific activation of MAPK. Causes significant antiproliferative effects in human malignant glioma cells and many other tumor cell lines.

Physical and Chemical Properties:
Batch Molecular Formula: \(\text{C}_{22}\text{H}_{30}\text{N}_{2}\text{O}_{5}\text{S}_2\text{C}_2\text{H}_3\text{F}_2\text{O}\)
Batch Molecular Weight: 561.64
Physical Appearance: White solid
Minimum Purity: >95%

Batch Molecular Structure:

![Molecular Structure](image)

Storage: Store at -80°C. This product is packaged under an inert atmosphere.

Solubility & Usage Info:
water to 5 mM
This product is supplied as a lyophilized solid and may be very hard to visualize. Solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

Stability and Solubility Advice:
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).
Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:
SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.
SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References: