

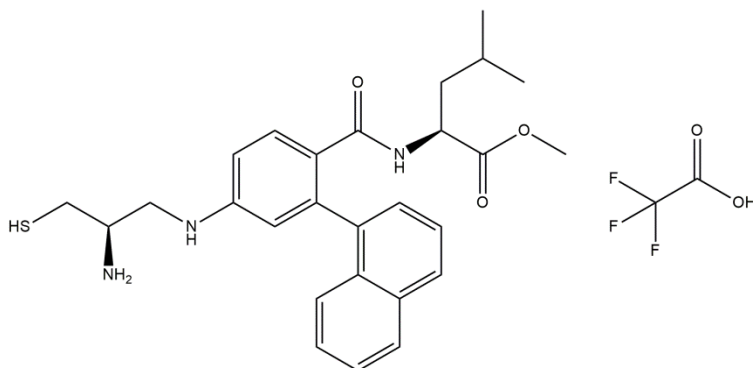
# GGTI-298 Trifluoroacetate

02/21

**ALTERNATE NAMES:** methyl (2S)-2-[[4-[[[(2R)-2-amino-3-sulfanylpropyl]amino]-2-naphthalen-1-ylbenzoyl]amino]-4-methylpentanoate; 2,2,2-trifluoroacetic acid; (S)-methyl 2-(4-(((R)-2-amino-3-mercapto-propyl)amino)-2-(naphthalen-1-yl)benzamido)-4-methylpentanoate 2,2,2-trifluoroacetate

**CATALOG #:** B3110-1 1 mg  
B3110-5 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>29</sub>H<sub>34</sub>F<sub>3</sub>N<sub>3</sub>O<sub>5</sub>S

**MOLECULAR WEIGHT:** 593.66

**CAS NUMBER:** 1217457-86-7

**APPEARANCE:** White to off-white solid powder

**PURITY:** ≥ 98%

**SOLUBILITY:** ~10 mg/ml in DMSO

**DESCRIPTION:** GGTI-298 is an inhibitor of geranylgeranyltransferase I. This enzyme transfers geranylgeranyl group to proteins containing a CAAX sequence in which X is leucine or isoleucine. GGTI-298 inhibits the growth of A549 cells with an IC<sub>50</sub> value of 4 μM. It induces apoptosis and blocks cells in G<sub>0</sub>-G<sub>1</sub> phase.

**STORAGE TEMPERATURE:** -20 °C

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**REFERENCES:**

1. Miquel, K., Pradines, A., Sun, J., et al. GGTI-298 induces G<sub>0</sub>-G<sub>1</sub> block and apoptosis whereas FTI-277 causes G<sub>2</sub>-M enrichment in A549 cells. *Cancer Research* 57, 1846-1850 (1997).
2. McGuire, T.F., Qian, Y., Vogt, A., et al. Platelet-derived growth factor receptor tyrosine phosphorylation requires protein geranylgeranylation but not farnesylation. *J Biol Chem.* 271(44):27402-7 (1996).

**RELATED PRODUCTS:**

Allicin (Cat. No. B2960)  
 L-778123 hydrochloride (Cat. No. 9638)  
 Manumycin A (Cat. No. 2333)  
 Tucidinostat (Cat. No. B3059)  
 Vinblastine Sulfate (Cat. No. 1959)

**DISCLAIMER:** **FOR RESEARCH USE ONLY! Not to be used on humans.**