

Product Name: TC-E 5006

Catalog No.: 4898

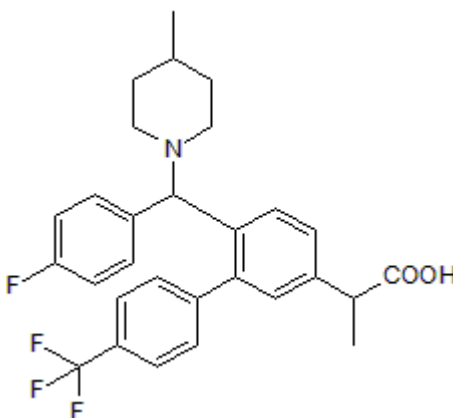
Batch No.: 2

CAS Number: 1257395-14-4

IUPAC Name: 6-[(4-Fluorophenyl)(4-methyl-1-piperidinyl)methyl]- α -methyl-4'-(trifluoromethyl)-[1,1'-biphenyl]-3-acetic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₉H₂₉F₄NO₂
Batch Molecular Weight: 499.54
Physical Appearance: Off-white solid
Solubility: DMSO to 100 mM
ethanol to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.5 (Ethyl acetate:Petroleum ether [1:1])
HPLC: Shows >99.7% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	69.73	5.85	2.8
Found	69.6	5.88	2.96

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

γ -secretase modulator. Reduces A β 42 levels in vitro (EC₅₀ = 390 nM) and in vivo. Orally bioavailable.

Physical and Chemical Properties:

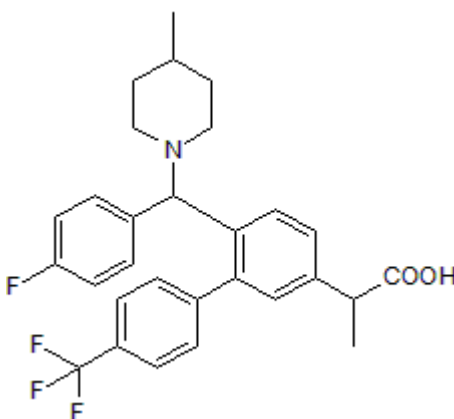
Batch Molecular Formula: C₂₉H₂₉F₄NO₂

Batch Molecular Weight: 499.54

Physical Appearance: Off-white solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 100 mM

ethanol to 100 mM

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:

Peng et al (2011) Discovery of BIIB042, a potent, selective, and orally bioavailable γ -secretase modulator. ACS Med.Chem.Lett. **2** 786. PMID: 24900267.

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bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel: +1 612 379 2956