L-685,458, gamma-secretase inhibitor ab141414

Overview

Product name: L-685,458, gamma-secretase inhibitor

Description: Potent, selective and non-competitive γ-secretase inhibitor

Biological description: Potent, selective and non-competitive γ-secretase inhibitor (IC50 = 17 nM). Shows 50-fold selectivity over a range of aspartyl, serine and cysteine proteases. Inhibits Aβ40 and Aβ42 peptides (IC50 values are 48 and 67 nM respectively). Active in vivo. Orally active.

Purity: > 98%

Properties

Chemical name: (5S)-(tert-Butoxycarbonylamino)-6-phenyl-(4R)-hydroxy-(2R)-benzylhexanoyl)-L-leucyl-L-phenylalaninamide

Molecular weight: 672.85

Chemical structure:

![Chemical Structure](image)

Molecular formula: C39H52N4O6

CAS Number: 292632-98-5

PubChem identifier: 456313

Storage instructions: Store at -20°C (desiccating conditions).

Solubility overview: Supplied in DMSO (1 mM)

Handling: Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILES: CC(C)CC(C(=O)NC(CC1=CC=CC=C1)C(=O)N)NC(=O)C(CC2=CC=CC=C2)CC(C(CC3=CC=CC=C3)NC(=O)OC(C(C)C))O
Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"

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