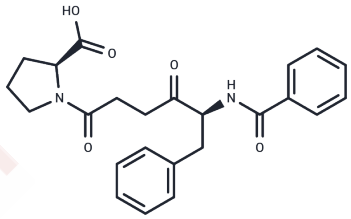
Data Sheet (Cat.No.T32384)

TargetMol

ketoACE

Chemical Properties



CAS No. : 74075-33-5

Formula: C24H26N2O5

Molecular Weight: 422.47

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	ketoACE is an amide bond between Phe-Gly of tripeptide replaced with ketomethylene.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.367 mL	11.8352 mL	23.6703 mL
5 mM	0.4734 mL	2.367 mL	4.7341 mL
10 mM	0.2367 mL	1.1835 mL	2.367 mL
50 mM	0.0473 mL	0.2367 mL	0.4734 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Morentin Gutierrez P, Gyte A, deSchoolmeester J, Ceuppens P, Swales J, Stacey C, Eriksson JW, Sjöstrand M, Nilsson C, Leighton B. Continuous inhibition of 11β-hydroxysteroid dehydrogenase type I in adipose tissue leads to tachyphylaxis in humans and rats but not in mice. Br J Pharmacol. 2015 Oct;172(20):4806-16. doi: 10.1111/bph.13251. Epub 2015 Oct 8. PubMed PMID: 26218540; PubMed Central PMCID: PMC4621984.

Ziff J, Rudolph DA, Stenne B, Koudriakova T, Lord B, Bonaventure P, Lovenberg TW, Carruthers NI, Bhattacharya A, Letavic MA, Shireman BT. Substituted 5,6-(Dihydropyrido[3,4-d]pyrimidin-7(8H)-yl)-methanones as P2X7 Antagonists. ACS Chem Neurosci. 2016 Apr 20;7(4):498-504. doi: 10.1021/acschemneuro.5b00304. Epub 2016 Jan 19. PubMed PMID: 26754558.

Brooks RR, Miller KE, Jones SM, Burns RH, Huang CT. Selectivity of converting-enzyme inhibitors for angiotensin I versus bradykinin hydrolysis reactions. J Pharm Sci. 1990 May;79(5):384-8. PubMed PMID: 2161922.

Almquist RG, Steeger T, Jackson S, Mitoma C. Absorption, metabolism, and excretion studies of carbon 14- and tritium-labeled derivatives of a ketomethylene containing tripeptide. Life Sci. 1985 Jul 29;37(4):299-305. PubMed PMID: 2989647.