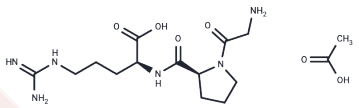
Data Sheet (Cat.No.T76288L)

TargetMol

GPR acetate

Chemical Properties



CAS No. :

Formula: C13H24N6O4.xC2H4O2

Molecular Weight:

Storage: Keep away from moisture
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	GPR acetate (47295-77-2 Free base) is a tripeptide containing three amino acids that inhibits caspase-3/p53-dependent apoptosis mechanisms, protecting cultured rat hippocampal neurons from Aβ-induced death. It is suitable for Alzheimer's disease (AD) research.
Targets(IC50)	Caspase,p53
In vitro	GPR acetate (1-100 μM; 24/48 hours) inhibits Aβ-mediated increases in lactate dehydrogenase (LDH) release[1]. GPR acetate (50 μM; 24/48 hours) inhibited Aβ-mediated inhibition of neuronal MTT reduction and caspase-3 activation [1]. GPR acetate (50 μM; 3 days) suppressed Aβ-induced increase in p53-positive cells [1].

Solubility Information

Solubility	H2O: 100 mg/mL,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Reference

Ioudina M, et al. A three amino acid peptide, Gly-Pro-Arg, protects and rescues cell death induced by amyloid beta-peptide. Exp Neurol. 2003;184(2):923-929.

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