

Davunetide acetate

Chemical Properties

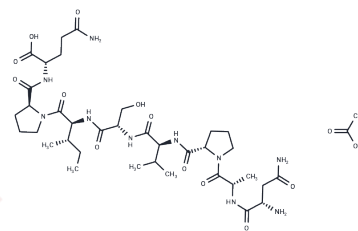
CAS No. :

Formula: C38H64N10O14

Molecular Weight: 884.97

Appearance: no data available

Storage: keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Davunetide acetate is derived from activity-dependent neuroprotective protein existing in the mammalian CNS. Davunetide acetate is a microtubule-stabilizing peptide and inhibits A β aggregation and A β -induced neurotoxicity. Davunetide acetate possesses neuroprotective, neurotrophic, and cognitive protective properties.
Targets(IC50)	Beta Amyloid, Microtubule Associated
In vivo	In diabetes male Sprague-Dawley rats, Davunetide acetate (2 μ g/kg; Intranasally) improves impaired spatial memory and shows protective effects for central nervous system complications[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.130 mL	5.6499 mL	11.2998 mL
5 mM	0.226 mL	1.130 mL	2.260 mL
10 mM	0.113 mL	0.565 mL	1.130 mL
50 mM	0.0226 mL	0.113 mL	0.226 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.

Reference

Zhang J, et al. Davunetide improves spatial learning and memory in Alzheimer's disease-associated rats. *Physiol Behav.* 2017;174:67-73.

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 36 Washington Street, Wellesley Hills, MA 02481