

M617 acetate

Chemical Properties

CAS No. :

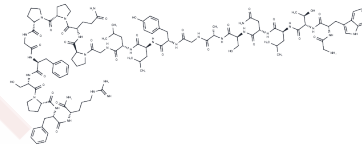
Formula: C₁₁₂H₁₆₁N₂₉O₂₈

Molecular Weight: 2361.65

Keep away from moisture

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	M617 acetate is a selective agonist of galanin receptor 1 (GAL1). M617 acetate acts through central GAL1, promotes GLUT4 expression, and enhances GLUT4 content in the cardiac muscle of type 2 diabetic rats. The K _i values are 0.23 and 5.71 nM for GAL1 and GAL2, respectively.
Targets(IC50)	Neuropeptide Y Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4234 mL	2.1172 mL	4.2343 mL
5 mM	0.0847 mL	0.4234 mL	0.8469 mL
10 mM	0.0423 mL	0.2117 mL	0.4234 mL
50 mM	0.0085 mL	0.0423 mL	0.0847 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

Fang P, et al. Central injection of GalR1 agonist M617 facilitates GLUT4 expression in cardiac muscle of type 2 diabetic rats. *Exp Gerontol.* 2015;65:85-89.

Lundström, L., et al. A Galanin Receptor Subtype 1 Specific Agonist. *Int J Pept Res Ther* 11, 17-27 (2005).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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