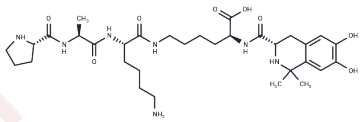
Data Sheet (Cat.No.T39121)

TargetMol

Odatroltide

Chemical Properties



CAS No. : 1639303-73-3

Formula: C32H51N7O8

Molecular Weight: 661.801

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	Odatroltide is a nanoscale P-selectin inhibitor that serves as a nano-delivery system for 6,7-dihydroxyl-1,2,3,4-tetrahydroisoquinoline-3-carboxylic acid and KPAK to specifically target the thrombus.
Targets(IC50)	Others
In vitro	Odatroltide (1 nM) proficiently diminishes P-selectin expression, paralleled by its ability to inhibit platelet aggregation - an effect also seen with DHDMIQK(KAP) through similar down-regulation of P-selectin. Furthermore, Odatroltide impedes platelet clumping triggered by TH, AA, ADP, and PAF, attributing its efficacy to P-selectin downregulation and free radical scavenging[1].
In vivo	Odatroltide (0.01 nmol/kg) effectively lyses thrombi and inhibits thrombosis with minimal[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.511 mL	7.5552 mL	15.1103 mL
5 mM	0.3022 mL	1.511 mL	3.0221 mL
10 mM	0.1511 mL	0.7555 mL	1.511 mL
50 mM	0.0302 mL	0.1511 mL	0.3022 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

Feng Q, et al. DHDMIQK(KAP): a novel nano-delivery system of dihydroxyl-tetrahydro-isoquinoline-3-carboxylic acid and KPAK towards the thrombus. J Mater Chem B. 2016;4(36):5991-6003.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481