

Pegnivacogin

Chemical Properties

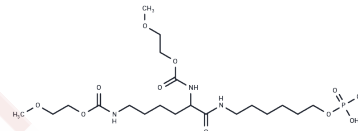
CAS No. : 959716-28-0

Formula: C₂₀H₄₀N₃O₁₁P

Molecular Weight: 529.52

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	Pegnivacogin is a coagulation factor IXa RNA aptamer inhibitor.
Targets(IC50)	Factor Xa,Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8885 mL	9.4425 mL	18.885 mL
5 mM	0.3777 mL	1.8885 mL	3.777 mL
10 mM	0.1889 mL	0.9443 mL	1.8885 mL
50 mM	0.0378 mL	0.1889 mL	0.3777 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

Vavalle JP, Rusconi CP, Zelenkofske S, Wargin WA, Ortel TL, Alexander JH, Povsic TJ, Becker RC. The effect of the REG2 Anticoagulation System on thrombin generation kinetics: a pharmacodynamic and pharmacokinetic first-in-human study. *J Thromb Thrombolysis*. 2014 Oct;38(3):275-84. doi: 10.1007/s11239-014-1081-6. PubMed PMID: 24880800.

Povsic TJ, Vavalle JP, Alexander JH, Aberle LH, Zelenkofske SL, Becker RC, Buller CE, Cohen MG, Cornel JH, Kasprzak JD, Montalescot G, Fail PS, Sarembok IJ, Mehran R; RADAR Investigators. Use of the REG1 anticoagulation system in patients with acute coronary syndromes undergoing percutaneous coronary intervention: results from the phase II RADAR-PCI study. *EuroIntervention*. 2014 Aug;10(4):431-8. doi: 10.4244/EIJY14M06_01. PubMed PMID: 24929350.

Povsic TJ, Wargin WA, Alexander JH, Krasnow J, Krolick M, Cohen MG, Mehran R, Buller CE, Bode C, Zelenkofske SL, Rusconi CP, Becker RC; RADAR Investigators. Pegnivacogin results in near complete FIX inhibition in acute coronary syndrome patients: RADAR pharmacokinetic and pharmacodynamic substudy. *Eur Heart J*. 2011 Oct;32(19):2412-9. doi: 10.1093/eurheartj/ehr179. Epub 2011 Jun 30. PubMed PMID: 21724623.

Ganson NJ, Povsic TJ, Sullenger BA, Alexander JH, Zelenkofske SL, Sailstad JM, Rusconi CP, Hershfield MS. Pre-existing anti-polyethylene glycol antibody linked to first-exposure allergic reactions to pegnivacogin, a PEGylated RNA aptamer. *J Allergy Clin Immunol*. 2016 May;137(5):1610-1613.e7. doi: 10.1016/j.jaci.2015.10.034. Epub 2015 Dec 11. PubMed PMID: 26688515; PubMed Central PMCID: PMC5819876.

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