
Product Data Sheet

Product Name: Inogatran (H-314-27)

Cat. No.: GC32554

Chemical Properties

Cas. No. 155415-08-0

SMILES O=C(O)CN[C@H](CC1CCCCC1)C(N2[C@H](C(NCCCNC(N)=N)=O)CCCC2)=OFormula $C_{21}H_{38}N_6O_4$ M.Wt 438.56

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Inogatran is a synthetic thrombin inhibitor, developed for the possible treatment and prophylaxis of arterial and venous thrombotic diseases.

Inogatran (0.075, 0.25, 0.75 mg/kg, i.v.) results in dose-dependent increases in activated partial thromboplastin time (aPTT), thrombin time (TT), and prothrombin time (PT) in a canine electrolytic injury model of venous thrombosis[1]. Inogatran dose-dependently inhibits thrombus formation, which is measured as an increase in time to occlusion (TTO) and a decrease in thrombus weight. Inogatran also improves vena caval blood flow and reduces the overall incidence of thrombotic occlusion in a rat model[2].

[1]. Ignasiak DP, et al. Effects of Intravenous Enoxaparin and Intravenous Inogatran in an Electrolytic Injury Model of Venous Thrombosis in the Dog. *J Thromb Thrombolysis*. 1998 Nov;6(3):199-206. [2]. Chi L, et al. Antithrombotic effect of LB-30057 (CI-1028), a new synthetic thrombin inhibitor, in a rabbit model of thrombosis: comparison with inogatran. *J Thromb Thrombolysis*. 2001 Feb;11(1):19-31.

Caution: Product has not been fully validated for medical applications. For research use only.

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