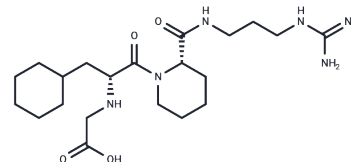


## Inogatran

## Chemical Properties

CAS No. : 155415-08-0  
 Formula: C<sub>21</sub>H<sub>38</sub>N<sub>6</sub>O<sub>4</sub>  
 Molecular Weight: 438.56  
 Appearance: no data available  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## Biological Description

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description   | Inogatran is a synthetic thrombin inhibitor, developed for the possible treatment and prophylaxis of venous and arterial thrombotic diseases.                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Targets(IC50) | Others                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| In vivo       | Inogatran enhances vena caval blood circulation and diminishes the frequency of thrombotic occlusions in rat studies. Administered intravenously in a canine model of venous thrombosis at dosages of 0.075, 0.25, and 0.75 mg/kg, Inogatran (H-314-27) exhibits a dose-dependent augmentation in activated partial thromboplastin time (aPTT), thrombin time (TT), and prothrombin time (PT), indicative of its anticoagulant effects. This corresponds with a dose-related inhibition of thrombus formation, evidenced by extended time to occlusion (TTO) and reduced thrombus mass. |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.2802 mL | 11.4009 mL | 22.8019 mL |
| 5 mM  | 0.456 mL  | 2.2802 mL  | 4.5604 mL  |
| 10 mM | 0.228 mL  | 1.1401 mL  | 2.2802 mL  |
| 50 mM | 0.0456 mL | 0.228 mL   | 0.456 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

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.

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