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**Product Data Sheet**

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Product Name: Melagatran

Cat. No.: GC60240

**Chemical Properties**

Cas. No. 159776-70-2

SMILES NC(C(C=C1)=CC=C1CNC([C@@H]2CCN2C([C@@H](C3CCCCC3)NCC(O)=O)=O)=O)=NFormula C<sub>22</sub>H<sub>31</sub>N<sub>5</sub>O<sub>4</sub> M.Wt 429.51

Solubility Storage

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**

Melagatran is a direct and orally active inhibitor of thrombin, without interacting with any other enzymes in the coagulation cascade or fibrinolytic enzymes aside from thrombin. Melagatran does not require endogenous co-factors for its antithrombin effect and may help to alleviate some of the damaging effects of endotoxemia[1]. Melagatran has the potential to provide a rational approach in the prevention of arterial occlusion[2].

[1]. Eriksson M, et al. Effects of melagatran, a novel direct thrombin inhibitor, during experimental septic shock. *Expert Opin Investig Drugs*. 2000 May;9(5):1129-37. [2]. Mehta JL, et al. Melagatran, an oral active-site inhibitor of thrombin, prevents or delays formation of electrically induced occlusive thrombus in the canine coronary artery. *J Cardiovasc Pharmacol*. 1998 Mar;31(3):345-51.

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

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