
Product Data Sheet

Product Name: Thrombin inhibitor 1

Cat. No.: GC32639

Chemical Properties

Cas. No. 855998-46-8

SMILES C[C@H](C1=CC(Cl)=CC=C1)NC(CC2=C(Cl)C=CC(NCC(F)(C3=CC=CC=N3=O)F)=N2=O)=O

Formula C₂₂H₂₀Cl₂F₂N₄O₃ M.Wt 497.32

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**

Thrombin inhibitor 1 is a potent thrombin inhibitor (K_i=0.66 nM, 2xaPTT=0.43 μM).

Thrombin inhibitor 1 (Compound 4) is binds in the active site of thrombin with K_i of 0.66 nM, 2xaPTT=0.43 uM). Thrombin inhibitor 1 (Compound 4) is evaluated for its thrombin inhibitory potency and its functional ability to double the activated partial thromboplastin time (2xaPTT) in human plasma with a 2xaPTT of 0.43 μM[1].

[1]. Nantermet PG, et al. P2 pyridine N-oxide thrombin inhibitors: a novel peptidomimetic scaffold. Bioorg Med Chem Lett. 2005 Jun 2;15(11):2771-5.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA
