
Product Data Sheet

Product Name: H-D-Phe-Pip-Arg-pNA hydrochloride

Cat. No.: GC60187

Chemical Properties

Cas. No. 160192-34-7

SMILES O=C(C(N)CC1=CC=CC=C1)N2[C@@H](C(N[C@@H](CCCN(C)=N)C(NC3=CC=C([N+](=O)[O-])C=C3)=O)=O)CCCC2.Cl

Formula C₂₇H₃₇ClN₈O₅ M.Wt 589.09Solubility H₂O : 250 mg/mL (424.38 mM; Need ultrasonic) 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**

S-2238 is a chromogenic substrate for thrombin.^{1,2} Upon enzymatic cleavage, *p*-nitroanilide (*p*NA) is released which can be quantified by colorimetric detection at 405 nm as a measure of thrombin activity.

1. Abildgaard, U., Lie, M., and Ødegård, O.R. Antithrombin (heparin cofactor) assay with "new" chromogenic substrates (S-2238 and Chromozym TH) *Thromb. Res.* 11(4)549-553(1977) 2. Ohno, H., Kosaki, G., Kambayashi, J., et al. FOY: [ethyl P-(6-guanidinohexanoyloxy) benzoate] methanesulfonate as a serine proteinase inhibitor. I. Inhibition of thrombin and factor Xa in vitro *Thromb. Res.* 19(4-5)579-588(1980)

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
