

UK-396082

## Chemical Properties

CAS No. : 400044-47-5

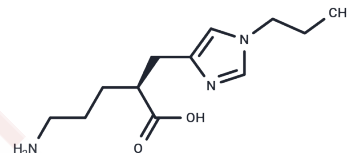
Formula: C<sub>12</sub>H<sub>21</sub>N<sub>3</sub>O<sub>2</sub>

Molecular Weight: 239.31

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	UK-396082 is a thrombin-activated fibrinolysis inhibitor (TAFI) that inhibits Carboxypeptidase B. It is used in the study of thrombosis, atherosclerosis, cancer, and fibrotic conditions.
Targets(IC50)	Others,Thrombin
In vitro	UK-396082 induced TAFI activity in NRK52E cells in a dose-dependent manner at concentrations ranging from 0-1000 nM for 96 hours. After 24 hours of treatment at 500 nM, UK-396082 significantly increased fibrinolytic activity in NRK52E cells (109% increase) and also in NRK49F fibroblasts (38.3% increase). In addition, UK-396082 reduced extracellular matrix (ECM) levels in NRK52E cells by 46% under the same conditions (500 nM, 24 hours). [1]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1787 mL	20.8934 mL	41.7868 mL
5 mM	0.8357 mL	4.1787 mL	8.3574 mL
10 mM	0.4179 mL	2.0893 mL	4.1787 mL
50 mM	0.0836 mL	0.4179 mL	0.8357 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Atkinson JM, et al. An inhibitor of thrombin activated fibrinolysis inhibitor (TAFI) can reduce extracellular matrix accumulation in an in vitro model of glucose induced ECM expansion. Matrix Biol. 2013 Jun 24;32(5):277-87.

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