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**Product Data Sheet**

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Product Name: UK122  
Cat. No.: GC63693

**Chemical Properties**

Cas. No. 940290-58-4

Formula  $C_{17}H_{13}N_3O_2$  M.Wt 291.3

Solubility Storage Store at  $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at  $37^{\circ}C$  and shake it in the ultrasonic bath for a while. Stock solution can be stored below  $-20^{\circ}C$  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**

UK122 is a potent and selective urokinase-type plasminogen activator (uPA) inhibitor with an  $IC_{50}$  of  $0.2 \mu M$ . UK122 shows no or little inhibition of tissue-type PA (tPA), plasmin, thrombin, and trypsin (all  $IC_{50} > 100 \mu M$ ). UK122, 4-oxazolidinone analogue, is an anticancer agent and inhibits cancer cell migration and invasion[1].

UK122 ( $11.1, 33.3, 100 \mu M$ ; 24 h) dose-dependently inhibits cell migration and significantly reduces the invasiveness of CFPAC-1 cells[1]. UK122 ( $10-100 \mu M$ ; 48 h) has no effect of any cell growth or cell morphology change in CFPAC-1 cells[1].

[1]. Ming Zhu, et al. Identification of a novel inhibitor of urokinase-type plasminogen activator. Mol Cancer Ther. 2007 Apr;6(4):1348-56.

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

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