
Product Data Sheet

Product Name: UKI-1 (UKI-1C)

Cat. No.: GC32119

Chemical Properties

Cas. No. 220355-63-5

SMILES O=C(N1CCN(C([C@@H](NS(=O)(C2=C(C(C)C)C=C(C(C)C)C=C2C(C)C)=O)CC3=CC=CC(C(N)=N)=C3)=O)CC1)OCC

Formula C₃₂H₄₇N₅O₅S M.Wt 613.81

Solubility DMSO : ≥ 28 mg/mL (45.62 mM) 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**

UKI-1 is a novel synthetic inhibitor of the urokinase-type plasminogen activator system. It can also inhibits the invasive capacity of carcinoma cells. (K_i=0.41 μM) In vitro : A decrease of tumor cell invasion by up to 50% was achieved in both models with the SCCHN line FaDu and the cervical carcinoma line HeLa after treatment with UK1.

[1]. Ertongur S et al. Inhibition of the invasion capacity of carcinoma cells by WX-UK1, a novel synthetic inhibitor of the urokinase-type plasminogen activator system. *Int J Cancer*. 2004 Jul 20;110(6):815-24. [2]. Ewa Zeslawska et al. Crystals of the urokinase type plasminogen activator variant β_c-uPA in complex with small molecule inhibitors open the way towards structure-based drug design. *J Mol Biol*. 2000 Aug 11;301(2):465-75.

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

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