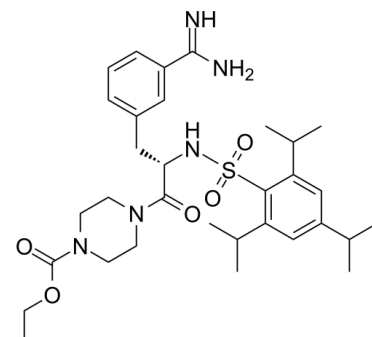


Data Sheet

Product Name:	UKI-1
Cat. No.:	CS-5726
CAS No.:	220355-63-5
Molecular Formula:	C32H47N5O5S
Molecular Weight:	613.81
Target:	Others
Pathway:	Others
Solubility:	DMSO : ≥ 28 mg/mL (45.62 mM)



BIOLOGICAL ACTIVITY:

UKI-1 is a novel synthetic inhibitor of the urokinase-type plasminogen activator system. It can also inhibits the invasive capacity of carcinoma cells. ($K_i=0.41 \mu\text{M}$) 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.

References:

- [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.

CAIndexNames:

1-Piperazinecarboxylic acid, 4-[(2S)-3-[3-(aminoiminomethyl)phenyl]-1-oxo-2-[[[2,4,6-tris(1-methylethyl)phenyl]sulfonyl]amino]propyl]-, ethyl ester

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

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

Tel: 732-484-9848 Fax: 888-484-5008 E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA