

## 2,4-Dioxaspiro(5.5)undec-8-ene, 3-(2-furanyl)-

## Chemical Properties

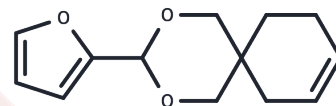
CAS No. : 80499-32-7

Formula: C<sub>13</sub>H<sub>16</sub>O<sub>3</sub>

Molecular Weight: 220.26

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

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	2,4-Dioxaspiro(5.5)undec-8-ene, 3-(2-furanyl)- (Ulinastatin) ,as an urinary trypsin inhibitor (UTI), is a glycoprotein that is isolated from healthy human urine or synthetically produced.
Targets(IC50)	Serine Protease

## Solubility Information

Solubility	DMSO: 9 mg/mL (40.86 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.5401 mL	22.7004 mL	45.4009 mL
5 mM	0.908 mL	4.5401 mL	9.0802 mL
10 mM	0.454 mL	2.270 mL	4.5401 mL
50 mM	0.0908 mL	0.454 mL	0.908 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

Peng X, Yuan H, Chen G, et al. Investigation on the effect of ulinastatin on the apoptosis of vascular smooth muscle cells in rats with aortic dissection based on the Sirt1/FoxO3a pathway. Cellular and Molecular Biology. 2023, 69(13): 96-101.

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