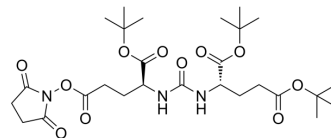


Glu-urea-Glu-NHS ester

Cat. No.:	HY-147287		
CAS No.:	1228927-36-3		
Molecular Formula:	C ₂₇ H ₄₃ N ₃ O ₁₁		
Molecular Weight:	585.64		
Target:	PSMA		
Pathway:	Immunology/Inflammation		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (170.75 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	1.7075 mL	8.5377 mL	17.0753 mL
	5 mM	0.3415 mL	1.7075 mL	3.4151 mL
	10 mM	0.1708 mL	0.8538 mL	1.7075 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.27 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	Glu-urea-Glu-NHS ester (compound 21) is an activated N-hydroxysuccinamide (NHS) ester of Glu-urea-Glu which can be used as a pharmacophore for linking with prostate specific membrane antigen (PSMA) inhibitors ^[1] .
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REFERENCES

[1]. Lu G, et al. Synthesis and SAR of ^{99m}Tc/Re-labeled small molecule prostate specific membrane antigen inhibitors with novel polar chelates. Bioorg Med Chem Lett. 2013 Mar 1;23(5):1557-63.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

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