



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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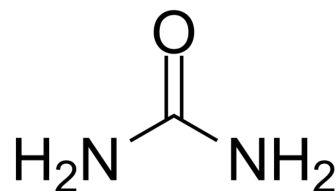
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Urea

Cat. No.:	HY-Y0271		
CAS No.:	57-13-6		
Molecular Formula:	CH ₄ N ₂ O		
Molecular Weight:	60.06		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

H₂O : 100 mg/mL (1665.00 mM; Need ultrasonic)
 DMSO : 100 mg/mL (1665.00 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	16.6500 mL	83.2501 mL	166.5002 mL
	5 mM	3.3300 mL	16.6500 mL	33.3000 mL
	10 mM	1.6650 mL	8.3250 mL	16.6500 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: PBS
Solubility: 100 mg/mL (1665.00 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (41.63 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (41.63 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (41.63 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Urea is a powerful protein denaturant via both direct and indirect mechanisms^[1]. A potent emollient and keratolytic agent^[2]. Used as a diuretic agent. Blood urea nitrogen (BUN) has been utilized to evaluate renal function^[3]. Widely used in fertilizers as a source of nitrogen and is an important raw material for the chemical industry.

CUSTOMER VALIDATION

- Autophagy. 2022 Nov 30.

See more customer validations on www.MedChemExpress.com

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

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