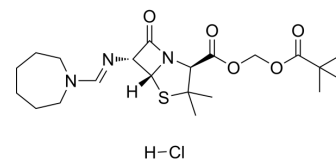


Pivmecillinam hydrochloride

Cat. No.:	HY-B0810A
CAS No.:	32887-03-9
Molecular Formula:	C ₂₁ H ₃₄ ClN ₃ O ₅ S
Molecular Weight:	476.03
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 100 mg/mL (210.07 mM; Need ultrasonic)
 DMSO : ≥ 34 mg/mL (71.42 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.1007 mL	10.5035 mL	21.0071 mL
	5 mM	0.4201 mL	2.1007 mL	4.2014 mL
	10 mM	0.2101 mL	1.0504 mL	2.1007 mL

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

In Vivo

1. Add each solvent one by one: PBS
 Solubility: 12.5 mg/mL (26.26 mM); Clear solution; Need ultrasonic and warming and heat to 60°C

BIOLOGICAL ACTIVITY

Description

Pivmecillinam hydrochloride (FL-1039 hydrochloride) is an orally active proagent of mecillinam, an extended-spectrum penicillin antibiotic.

IC₅₀ & Target

β-lactam

REFERENCES

- [1]. Nicolle LE. Pivmecillinam in the treatment of urinary tract infections. J Antimicrob Chemother. 2000 Aug;46 Suppl A:35-39.
 [2]. Graninger W. Pivmecillinam--therapy of choice for lower urinary tract infection. Int J Antimicrob Agents. 2003 Oct;22 Suppl 2:73-8.

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

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