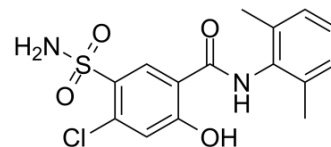


Xipamide

Cat. No.:	HY-W042301		
CAS No.:	14293-44-8		
Molecular Formula:	C ₁₅ H ₁₅ ClN ₂ O ₄ S		
Molecular Weight:	354.81		
Target:	Others		
Pathway:	Others		
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 : 250 mg/mL (704.60 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.8184 mL	14.0920 mL	28.1841 mL
	5 mM	0.5637 mL	2.8184 mL	5.6368 mL
	10 mM	0.2818 mL	1.4092 mL	2.8184 mL

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

In Vivo

- Add each solvent one by one: **10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline**
Solubility: ≥ 2.08 mg/mL (5.86 mM); Clear solution
- Add each solvent one by one: **10% DMSO >> 90% (20% SBE-β-CD in saline)**
Solubility: ≥ 2.08 mg/mL (5.86 mM); Clear solution
- Add each solvent one by one: **10% DMSO >> 90% corn oil**
Solubility: ≥ 2.08 mg/mL (5.86 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Xipamide is a sulfonamide-based diuretic. Xipamide is an antihypertensive agent able to selectively inhibit the anion exchanger (AE)^[1].

REFERENCES

[1]. Prichard BN, et al. Xipamide. A review of its pharmacodynamic and pharmacokinetic properties and therapeutic efficacy. *Drugs*. 1985 Oct;30(4):313-32.

[2]. Hannaert P, et al. Beneficial effects of xipamide on pH and Ca²⁺ ions of cardiac cells. *Arch Mal Coeur Vaiss*. 1990 Jul;83(8):1271-4.

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