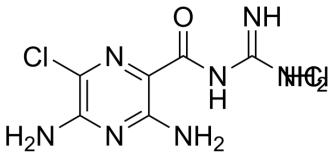
Amiloride hydrochloride (Standard)

Cat. No.:	HY-B0285AR
CAS No.:	2016-88-8
Molecular Formula:	$C_6H_9Cl_2N_7O$
Molecular Weight:	266.09
Target:	Sodium Channel; Apoptosis; TRP Channel
Pathway:	Membrane Transporter/Ion Channel; Apoptosis; Neuronal Signaling
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

DMSO : ≥ 100 mg/mL (375.81 mM)

H_2O : 7.14 mg/mL (26.83 mM; Need ultrasonic)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	3.7581 mL	18.7906 mL	37.5813 mL
	5 mM	0.7516 mL	3.7581 mL	7.5163 mL
	10 mM	0.3758 mL	1.8791 mL	3.7581 mL

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

BIOLOGICAL ACTIVITY

Description

Amiloride (hydrochloride) (Standard) is the analytical standard of Amiloride (hydrochloride). This product is intended for research and analytical applications. Amiloride hydrochloride (MK-870 hydrochloride) is an inhibitor of both epithelial sodium channel (ENaC[1]) and urokinase-type plasminogen activator receptor (uTPA[2]). Amiloride hydrochloride is a blocker of polycystin-2 (PC2; TRPP2[3]) channel.

CUSTOMER VALIDATION

- Biomaterials. 2022 May;284:121529.
- Theranostics. 2020 May 17;10(15):6581-6598.
- Sci Total Environ. 2021, 146523.
- J Neuroinflammation. 2022 Feb 22;19(1):53.

- Cell Rep. 2022 May 31;39(9):110880.

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