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DATASHEET

Amiloride hydrochloride

Product overview

Name	Amiloride hydrochloride
Cat No	HB1010
Biological action	Blocker
Purity	>98%
Description	Na^+ channel blocker

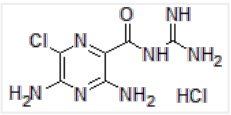
Biological Data

Biological description	Na^+ channel blocker. Acid sensing ion channel (ASIC) blocker, protects cells from metabolic acidosis injury associated with ischemia. Inhibits TRPP3-mediated Ca^{2+} channel transport (IC_{50} = 143 µM). Shows antiviral and anticancer actions.

Solubility & Handling

Storage instructions	Room temperature
Solubility overview	Soluble in water (10mM, gentle warming)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	3,5-Diamino-*N*-(aminoiminomethyl)-6-chloropyrazinecarboxamide hydrochloride
Molecular Weight	266.09
Chemical structure	
Molecular Formula	$C_6H_8ClN_7O.HCl$
CAS Number	2016-88-8
PubChem identifier	16230
SMILES	C1(=C(N=C(C(=N1)Cl)N)N)C(=O)N=C(N)N.Cl
InChi	InChI=1S/C6H8ClN7O.ClH/c7-2-4(9)13-3(8)1(12-2)5(15)14-6(10)11;/h(H4,8,9,13)(H4,10,11,14,15);1H
InChiKey	ACHKKGDWZVCSNH-UHFFFAOYSA-N
MDL number	MFCD03703482

References

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