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DATASHEET

H-8

Product overview

Name	H-8
Cat No	HB0318
Biological action	Inhibitor
Purity	>98%
Description	PKA / PKG inhibitor

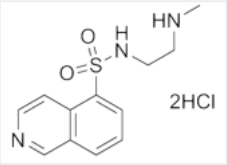
Biological Data

Biological description	PKG (cGPK), PKA, PKC, Myosin light chain kinase (MLCK), Casein kinase (CK) 1 and 2 inhibitor (K_i values are 0.48, 1.2, 15, 68, 133 and 950 µM respectively). Blocks cell cycle progression.

Solubility & Handling

Solubility overview	Soluble in DMSO (25mg/ml) or ethanol:water (25mg/ml, ratio 1:1)
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	N-[2-(methylamino)ethyl]isoquinoline-5-sulfonamidedihydrochloride
Molecular Weight	338.25
Chemical structure	
Molecular Formula	$C_{12}H_{15}N_3O_2S.2HCl$
CAS Number	84478-11-5
PubChem identifier	150584
SMILES	CNCCNS(=O)(=O)C1=CC=CC2=C1C=CN=C2.Cl.Cl

References

Differential growth inhibition of isoquinolinesulfonamides H-8 and H-7 towards multidrug-resistant P388 murine leukaemia cells.

Ido M *et al* (1991) Br J Cancer 64(6)
PubMedID 1684908

Isoquinolinesulfonamides, novel and potent inhibitors of cyclic nucleotide dependent protein kinase and protein kinase C.

Hidaka H *et al* (1984) Biochemistry 23(21)
PubMedID 6238627

Differential growth inhibition of isoquinolinesulfonamides H-8 and H-7 towards multidrug-resistant P388 murine leukaemia cells.

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