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DATASHEET

H-8

Product overview

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

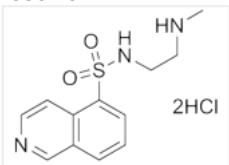
Biological Data

| | |
|-------------------------------|---|
| 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 ₃ O ₂ S.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.

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

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[1684908](#)
