DATASHEET
H 89 dihydrochloride

Product overview

<table>
<thead>
<tr>
<th>Name</th>
<th>H 89 dihydrochloride</th>
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<tbody>
<tr>
<td>Cat No</td>
<td>HB0314</td>
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<tr>
<td>Description</td>
<td>Potent, non-selective kinase inhibitor. Also improves dissociate hESCs survival and clonogenicity.</td>
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<td>Biological action</td>
<td>Inhibitor</td>
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<td>Purity</td>
<td>&gt;99%</td>
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Biological Data

Biological description
Potent, non-selective kinase inhibitor. Protein kinase A inhibitor (IC$_{50}$ = 135 nM). Also inhibits S6K1, MSK1, ROCKII, PKBα and MAPKAP-Klb (IC$_{50}$ values are 80, 120 and 270 nM, 2.6 µM and 2.8 µM respectively). Also improves dissociate hESCs survival and clonogenicity.

Solubility & Handling

Storage instructions
-20°C

Solubility overview
Soluble in water (25mM) or DMSO (100mM)

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-[[3-(4-Bromophenyl)-2-propenyl]amino]ethyl]-5-isoquinolinesulfonamidedihydrochloride

Molecular Weight
519.28

InChiKey
GELOGQJVGPIKAM-WTVBWJGASA-N

SMILES
O=S(C2=C(C=C(C=C(C=C)=O)Cl)Cl=N[C(=C(C=C=C)=C=O)C=C(C=C(C=C)=O)C]=O)C

CAS Number
130964-39-5

PubChem identifier
5702541

Molecular Formula
C$_{20}$H$_{20}$BrN$_3$O$_2$S.2HCl

References

The many faces of H89: a review.
PubMedID 17214602

Involvement of cAMP response element-binding protein activation in salivary secretion.
Yamada K et al (2006) Pathobiology 73(1)
PubMedID 16785762
Specificity and mechanism of action of some commonly used protein kinase inhibitors.
PubMedID 10998351

Pharmacological PKA inhibition: all may not be what it seems.
PubMedID 18523239