H-89 . 2HCl

Protein kinase inhibitor

Cell permeable potent and selective inhibitor of cAMP- and cGMP-dependent protein kinases (PKA, K_i=48nM, and PKG) and protein kinase Cμ (PKCμ). In contrast, most other protein kinase C (PKC) isotypes are much more weakly inhibited. Also inhibits Ca^{2+}/calmodulin-dependent protein kinase II, casein kinase I and myosin light chain kinase. Induces apoptosis. Concentration range for cultured cells 30-100μM: osteoblastic cells, renal proximal tubule cells and Xenopus oocytes.

Citations: 24 View Online »

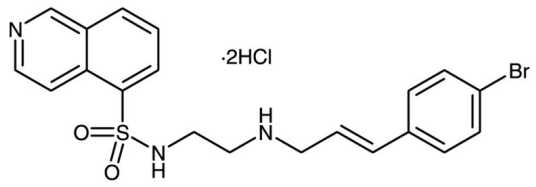
Ordering Information

Order Online »

BML-EI196-0005	5mg
BML-EI196-0025	25mg

Manuals, SDS & CofA

View Online »


N
·2HCl
Br
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Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Store, as supplied, at 0-4°C for up to 1 year. Store solutions at -20°C for up to 4 months in DMSO.
Long Term Storage	+4°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	N-[2-(p-Bromocinnamylamino)ethyl]-5-isoquinolinesulfonamide . 2HCl
Appearance	White to off-white solid.
CAS	127243-85-0
Couple Target	CaM kinase, Casein kinase, MLCK, PKA, PKD, PKG
Couple Type	Inhibitor
Formula	$C_{20}H_{20}BrN_3O_2S \cdot 2HCl$
MW	519.3
MeltingPoint	141-143°C
Purity	≥99% (HPLC)
Solubility	Soluble in DMSO (25mg/ml), methanol and 50% ethanol/water (20mg/ml).
Technical Info / Product Notes	Replacement for **ADI-HPK-105**

Last modified: May 29, 2024

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