H-5239 H-89, Dihydrochloride, >99%

\[N-[2-(p\text{-Bromocinnamylamino})ethyl]-5\text{-isoquinoline sulfonamide, Di-HCl Salt}\]

M.W. 519.20  \( C_{20}H_{20}BrN_3O_2S \cdot 2HCl \)  [127243-85-0]

**Storage:** Store desiccated at or below -20 °C.  **Solubility:** Soluble in DMSO or ethanol/water.  **Disposal:** A

- Potent and selective inhibitor of PKA, with an IC\textsubscript{50} of about 50 nM.  Chijiwa, T.  \textit{et al.}  \textit{J. Biol. Chem.} 265: 5267-5272 (1990).

- Also inhibits PKG and the \( \mu \) isotype of PKC (at about 500 nM).  In contrast, most other PKC isotypes are much more weakly inhibited, with IC\textsubscript{50}'s in the 32 \( \mu \text{M} \) range.  Johannes, F.-J., Prestle, J., Dieterich, S., Oberhagemann, P., Link, G. and Pfizenmaier, K.  "Characterization of activators and inhibitors of protein kinase C\( \mu \)."  \textit{Eur. J. Biochem.} 227: 303-307 (1995).

- Please request Technical Note #24 for additional information.