

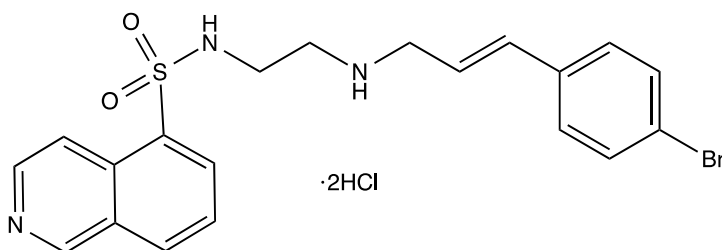
Catalog # 10-2144

H-89 dihydrochloride

CAS# 130964-39-5

N-[2-[[3-(4-Bromophenyl)-2-propen-1-yl]amino]ethyl]-5-isoquinolinesulfonamide dihydrochloride

Lot # FBS2032



H-89 is a commonly used inhibitor of protein kinase A (PKA $IC_{50} = 140$ nM). Inhibits a variety of other kinases including S6K1 ($IC_{50} = 80$ nM), MSK1 (120 nM), ROCK II (270 nM), PKB α (2.6 μ M), PKD, PRK2, RSK1 and 2, SGK, AMPK, CHK1 and MAPKAP-K1b (2.8 μ M).^{1,2}

- 1) Lochner and Moolman (2006), *The many faces of H89: a review*; Cardiovasc. Drugs, **24** 261
- 2) Bain *et al.* (2007), *The selectivity of protein kinase inhibitors: a further update*; Biochem.J. **408(Pt3)** 297

PHYSICAL DATA

Molecular Weight:	519.28
Molecular Formula:	C ₂₀ H ₂₀ BrN ₃ O ₂ S·2HCl
Purity:	>98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (50 mg/ml) and water (12 mg/mL)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 1 year from the date of purchase. Solutions in DMSO or water may be stored at -20°C for up to 3 months.

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