



H-89 PKA Inhibitor

E1B1643

PKA Inhibitor

H-89

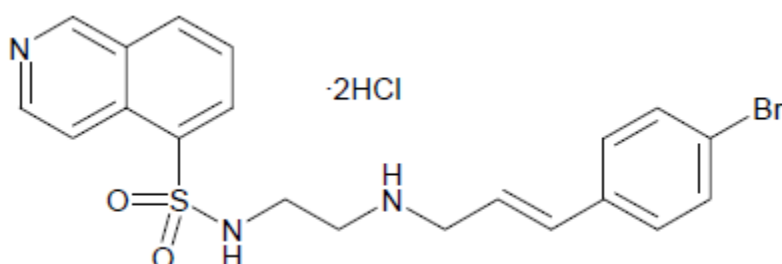
N-[2-(p-Bromocinnamylamino)ethyl]- 5-isoquinolinesulfonamide·2HCl

CAS NO: 127243-85-0

CATALOG NO.: E1B1643

Package: 1 mg (10mg/ml in DMSO, 0.1ml)

STRUCTURE:



PHYSICAL APPEARANCE: Off-white solid (m.p. 141-143°C)

MOLECULAR FORMULA: C₂₀H₂₀BrN₃O₂S·2HCl

MOLECULAR WEIGHT: 519.2

PURITY: 99% (TLC: 10% Methanol/methylene chloride; R_f = 0.65)

STORAGE: Store solutions at -20°C for up to 1 year.

APPLICATION NOTES: Potent, selective and widely used inhibitor of PKA (K_i = 48 nM). Cell permeable.

Concentration range for cultured cells 30-100 μM: osteoblastic cells, renal proximal tubule cells and

Xenopus oocytes.

REFERENCES:

1. T.Chijiwa *et al. J.Biol.Chem.* 1990 **265** 5267
2. M.Muroi and T.Suzuki *Cell Signal* 1993 **5** 289
3. M.Fujihara *et al. J.Biol.Chem.* 1993 **268** 14898
4. A.Azarani *et al. J.Biol.Chem.* 1995 **270** 23166
5. A.Azarani *et al. J.Biol.Chem.* 1995 **270** 20004
6. A.Azarani *et al. J.Biol.Chem.* 1995 **270** 17898

The pharmacological and toxicological properties of this product have not been fully investigated.

Exercise caution in use and handling. This product must not be used in humans.

For Research Use Only