

Product Name : ML-7 hydrochloride

Synonyms : ML-7 HCl; ML-7 hydrochloride; ML-7

Cat No. : M10402

CAS Number : 110448-33-4

Molecular Formula : C₁₅H₁₈ClIN₂O₂S

Formula Weight : 452.74

Chemical Name : hexahydro-1-[(5-iodo-1-naphthalenyl)sulfonyl]-1H-1,4-diazepine, monohydrochloride

Description : ML-7 Hcl is a cell-permeable, potent, reversible, ATP-competitive, and selective inhibitor of myosin light chain kinase (K_i = 300 nM); also inhibit smooth-muscle myosin light chain kinase, protein kinase C (PKC) and cAMP-dependent protein kinase (PKA).

Pathway : Apoptosis

Target : Other Targets

Receptor : PKA; PKC; MLCK

Solubility : DMSO: >43 mg/mL

SMILES : O=S(N1CCNCCC1)(C2=C3C=CC=C(I)C3=CC=C2)=O.[H]Cl

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Luh Clara, et al. Journal of Neurochemistry (2010), 112(4), 1015-1025.

