ML-9

Myelin basic protein inhibitor

Selective inhibitor of MLC kinase (K_i=3.8 μM). Inhibits insulin-stimulated 2-deoxyglucose transport and PP-1 activation in adipocytes, possibly via an effect on MAP kinase or its activation. Useful PKB inhibitor (IC_{50}=10-50 μM). Also known to inhibit PKA (IC_{50}=20 μM) and S6 kinase (IC_{50}=50 μM). Does not inhibit PI 3-kinase.

Citations: 9 View Online »

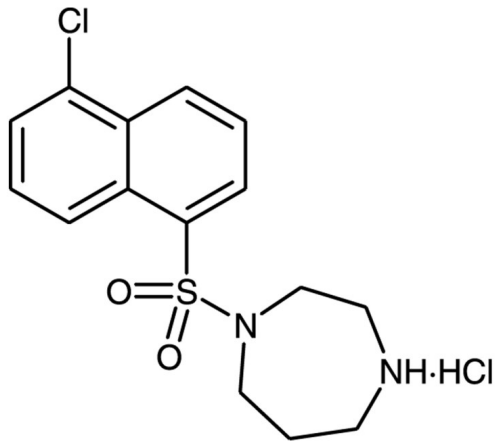
Ordering Information

Order Online »

BML-EI153-0050	50mg

Manuals, SDS & CofA

View Online »


Cl
O
S
O
N
NH·HCl

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for at least 1 year after receipt when stored, as supplied, at 0-4°C. Stock solutions are stable for up to 3 months at -20°C.
Handling	Protect from light.
Long Term Storage	+4°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	1-(5-Chloronaphthalene-1-sulfonyl)-1H-hexahydro-1,4-diazepine . HCl
Appearance	White solid.
CAS	105637-50-1
Couple Target	Akt, MLCK, PKA, S6 kinase
Couple Type	Inhibitor
Formula	$C_{15}H_{17}N_2O_2SCl$. HCl
Identity	Determined by 1H-NMR and MS.
MW	361.3
Purity	≥98% (TLC)
Solubility	Soluble in DMSO (10mg/ml) and ethanol/water (1:1, 10mg/ml).

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