SKI-II

Sphingosine kinase inhibitor

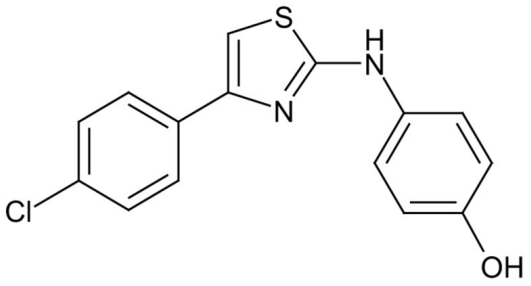
Selective, non-ATP competitive inhibitor of sphingosine kinase (IC_{50} = 0.5μM GST-hSK; IC_{50} = 1.1μM intact JC mouse mammary adenovirus carcinoma cells) showing no inhibition of hERK2, hPI3k and hPKCα at concentrations up to 60μM. Cytotoxic effects have been demonstrated against various tumor cell lines including some overexpressing P-glycoprotein or MRP1 (T24, IC_{50} = 4.6μM; MCF-7, IC_{50} = 1.2μM; NCI/ADR, IC_{50} = 1.3μM, MCRF-7/VP, IC_{50} = 0.9μM). Induced apoptosis in T24 tumor cells.

Citations: 2 View Online »

Ordering Information Order Online »

BML-EI406-0010	10mg

Manuals, SDS & CofA View Online »

 S H N N Cl OH	

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Protect from light and air.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	4-[[4-(4-Chlorophenyl)-1,3-thiazol-2-yl]amino]phenol
Appearance	Off-white solid.
CAS	312636-16-1
Couple Target	Sphingosine kinase
Couple Type	Inhibitor
Formula	$C_{15}H_{11}ClN_2OS$
MW	302.8
Purity	≥98% (TLC)
Solubility	Soluble in DMSO (>25mg/ml) or 100% ethanol (>25mg/ml).
Source	Synthetic.

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