PI-103

Inhibitor of DNA-PK, PI3 kinase and mTOR

Potent, cell permeable and ATP-competitive inhibitor of DNA-PK, phosphoinositide 3-kinase (PI(3)K), the rapamycin-sensitive (mTORC1) and rapamycin-insensitive (mTORC2) complexes of the protein kinase mTOR. Exhibits little activity towards a panel of more than 40 other kinases even at concentrations as high as 10μM. Effectively blocks cell proliferation in glioma cell lines both *in vitro* and *in vivo*.

Citations: 7 View Online »

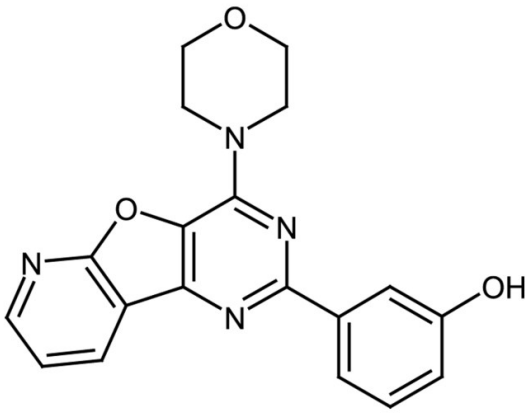
Ordering Information

Order Online »

ALX-270-460-M001	1mg

Manuals, SDS & CofA

View Online »


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Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stock solutions are stable for up to 3 months when stored at -20°C.
Handling	Protect from light. After reconstitution, prepare aliquots and store at -20°C.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	3-(4-(4-Morpholinyl)pyrido[3',2':4,5]furo[3,2-d]pyrimidin-2-yl)phenol
Appearance	Off-white solid.
CAS	371935-74-9
Couple Target	DNA-PK, mTOR, PI3 kinase
Couple Type	Inhibitor
Formula	$C_{19}H_{16}N_4O_3$
Identity	Identity determined by MS and NMR.
MW	348.4
Purity	≥97% (HPLC)
Solubility	Soluble in DMSO (5mg/ml; warm).

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