ZSTK474

Inhibits all four PI3K isoforms.

Cell permeable, reversible, potent and specific inhibitor of phosphoinositide 3-kinase (IC_{50}=17nM for PI(3)K p110β, IC_{50}=53nM for PI(3)K p110γ and IC_{50}=6nM for PI(3)K p110δ). Blocks cellular PI(3)K/Akt (PKB) signalling *in vitro* and inhibits Akt(PKB)-dependent tumor growth in mice *in vivo* without significant toxic effect. More effective than LY 294,002 (Prod. No. BML-ST420) *in vitro* and as *in vivo*.

Citations: 4 View Online »

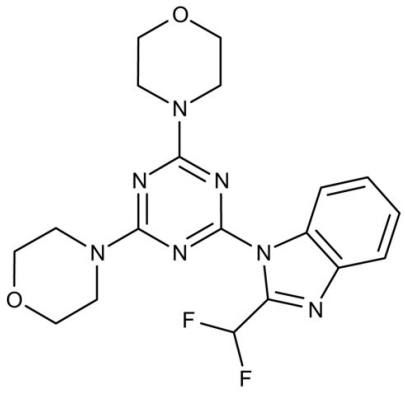
Ordering Information

Order Online »

ALX-270-454-M010	10mg

Manuals, SDS & CofA

View Online »

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stock solutions are stable for up to 6 months when stored at -20°C.
Handling	Protect from light.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	2-(2-Difluoromethylbenzimidazol-1-yl)-4,6-dimorpholino-1,3,5-triazine
Appearance	White powder.
CAS	475110-96-4
Couple Target	PI3 kinase
Couple Type	Inhibitor
Formula	$C_{19}H_{21}F_2N_7O_2$
Identity	Determined by EM-MS and NMR.
MW	417.4
Purity	≥98% (HPLC)
Solubility	Soluble in DMSO (21mg/ml). Sparingly soluble in ethanol (<1mg/ml).

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