BML-275

AMPK inhibitor

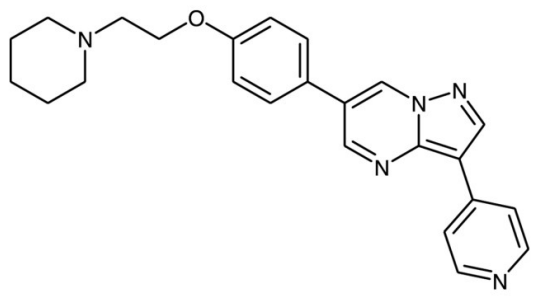
Cell-permeable pyrrazolopyrimidine derivative that inhibits AMP kinase (K_i =109nM in the absence of AMP) in an ATP-competitive manner. It displays no significant inhibition of ZAPK, SYK, PKCT, PKA and JAK3. Decreases food intake in mice and inhibits the effects of AICAR and metformin. It has been shown to inhibit BMP type I receptors ALK2, ALK3 and ALK6. Promotes cardiomyogenesis in mouse embryonic stem cells. Induces protective autophagy in cancer cell lines.

Citations: 16 View Online »

Ordering Information Order Online »

BML-EI369-0005	5mg
BML-EI369-0025	25mg

Manuals, SDS & CofA View Online »

Handling & Storage

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

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Compound C, Dorsomorphin
Appearance	Yellow solid.
CAS	866405-64-3
Couple Target	Activin receptor, AMPK, BMP receptor
Couple Type	Inhibitor
Formula	$C_{24}H_{25}N_5O$
MW	399.5
Purity	≥98% (TLC)
Solubility	Soluble in DMSO (3mg/ml, warm)

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