

Catalog # 10-3362

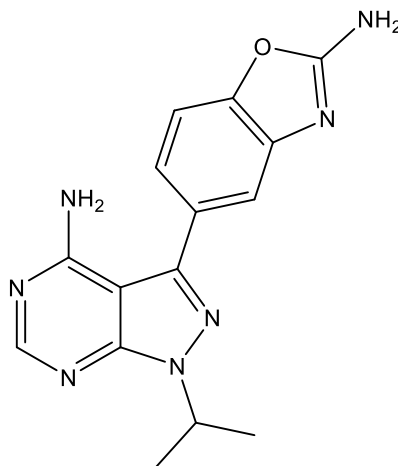
INK-128

1224844-38-5

3-(2-Amino-5-benzoxazolyl)-1-(1-methylethyl)-1H-pyrazolo[3,4-d]pyrimidin-4-amine

MLN-0128

Lot # X108573



A potent and selective, ATP-competitive inhibitor of mTOR kinase, $K_i = 1.4 \text{ nM}$.¹ Inhibits growth and proliferation of various breast cancer cell lines and human endothelial cells.²

- 1) Hsieh *et al.* (2012), *The translational landscape of mTOR signaling steers cancer initiation and metastasis*; Nature, **485** 55
- 2) Gokmen-Polar *et al.* (2012) *Investigational drug MLN0128, a novel TORC1/2 inhibitor, demonstrates potent oral antitumor activity in human breast cancer xenograft models*; Breast Cancer Res. Treat., **136** 673

PHYSICAL DATA

Molecular Weight:	309.33
Molecular Formula:	C ₁₅ H ₁₅ N ₇ O
Purity:	98% by TLC/HPLC
	NMR: (Conforms)
Solubility:	DMSO (up to 25 mg/ml)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

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