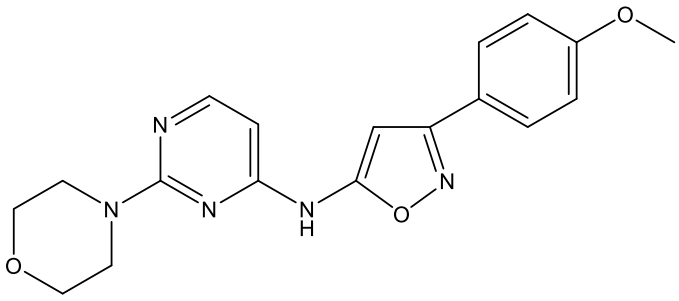
Catalog # 10-4685

BO-264

CAS# 2408648-20-2

3-(4-Methoxyphenyl)-N-(2-morpholin-4-ylpyrimidin-4-yl)-1,2-oxazol-5-amine

Lot # JKM1288



BO-264 is a potent (IC_{50} = 188 nM) inhibitor of transforming acidic coiled-coil 3 (TACC3), an important protein involved in microtubule stability and centrosome integrity.[1] TACC3 is frequently upregulated in a broad range of cancers. BO-264 displayed significant anticancer activity in greater than 90% of cell lines in the NCI-60 human cancer cell line panel. Active *in vivo* in mice injected with JIMT-1 and EMT6 breast cancer cells as well as mouse colon cancer xenografts HCT-116 and CT-26.

1) Akbulut *et al*. (2020), *A Highly Potent TACC3 Inhibitor as a Novel Anticancer Drug Candidate*; Mol. Cancer Ther. **19** 11243

PHYSICAL DATA

Molecular Weight:	353.38
Molecular Formula:	$C_{18}H_{19}N_5O_3$
Purity:	>99% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (>25 mg/ml)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied 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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