

BO-264, TACC3 inhibitor

Catalog	Unit
TBI4685-5MG	5 mg
TBI4685-25MG	25 mg

Product Details

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

Molecular Formula: C₁₈H₁₉N₅O₃

Formula Weight: 353.40

CAS Number: 2408648-20-2

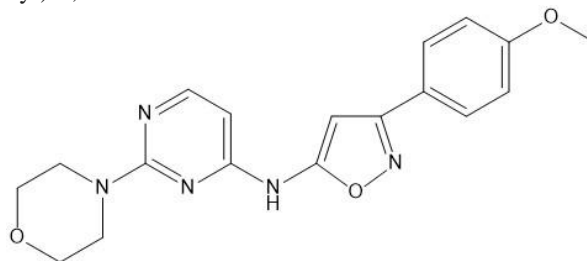
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to at least 25 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

TACC3 inhibitor

Functions

BO-264 is a potent (IC₅₀ = 188 nM) inhibitor of transforming acidic coiled-coil 3 (TACC3), an important protein involved in microtubule stability and centrosome integrity. 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.

Application Procedures

First dissolved in DMSO (up to at least 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.