

ZM-447439, Aurora B kinase inhibitor

Catalog	Unit
TBI1037-5MG	5 mg
TBI1037-25MG	25 mg

Product Details

Formal Name: N-[4-[[6-Methoxy-7-[3-(4-morpholinyl)propoxy]-4-quinazoliny]amino]phenyl]benzamide

Molecular Formula: C₂₉H₃₁N₅O₄

Formula Weight: 513.59

CAS Number: 331771-20-1

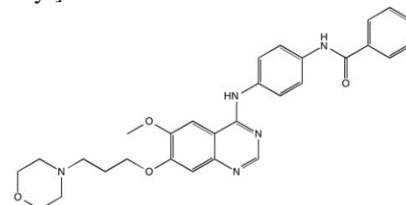
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 50 mg/ml) or in Ethanol (up to 25 mg/ml).

Storage: RT

Stability: ≥ 1 year.



Applications

Aurora B kinase inhibitor

Functions

ZM-447439 is a selective ATP-competitive inhibitor of Aurora kinase B1 (IC₅₀ = 50 nM, Aur A IC₅₀ = 1 μM, Aur C IC₅₀ = 250 nM at physiological ATP concentrations, Ref.1 lists Aur A IC₅₀ = 110nM and Aur B IC₅₀ = 113nM). It did not significantly inhibit a panel of 14 other kinases including mitotic kinases CDK1 and PLK1. It prevents chromosome alignment, spindle checkpoint function and cytokinesis.

Application Procedures

First dissolved in DMSO (up to 50 mg/ml) or in Ethanol (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

For research use only.