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Product Datasheet

ZM-447439, CAS [[331771-20-1]] FBM-10-1037

Article Name	ZM-447439, CAS [[331771-20-1]]
Biozol Catalog Number	FBM-10-1037
Supplier Catalog Number	10-1037
Alternative Catalog Number	FBM-10-1037-5MG, FBM-10-1037-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Aurora B kinase inhibitor...
Molecular Weight	513.59
Purity	98% by TLC [10% methanol in methylene chloride, R _f = 0.30]
Form	White solid
CAS Number	[331771-20-1]
Formula	C ₂₉ H ₃₁ N ₅ O ₄
Application Notes	ZM-447439 is a selective ATP-competitive inhibitor of Aurora kinase B1 (IC ₅₀ = 50 nM, Aur A IC ₅₀ = 1 µM, Aur C IC ₅₀ = 250 nM at physiological ATP concentrations ² , Ref.1 lists Aur A IC ₅₀ = 110nM and Aur B IC ₅₀ = 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. ^{1,2}