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Product Datasheet

BI 2536, CAS [[755038-02-9]]

FBM-10-4121

Article Name	BI 2536, CAS [[755038-02-9]]
Biozol Catalog Number	FBM-10-4121
Supplier Catalog Number	10-4121
Alternative Catalog Number	FBM-10-4121-5MG, FBM-10-4121-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Dual Plk/BRD4 inhibitor - Destabilizes Myc...
Molecular Weight	521.67
Purity	97% by HPLC, NMR (conforms)
Form	Off-white solid
CAS Number	[755038-02-9]
Formula	C28H39N7O3
Application Notes	BI 2536 was originally reported as a potent (IC50s Plk1 = 0.83nM, Plk2 = 3.5nM and Plk3 = 9.0nM) and selective2 Polo-like kinase inhibitor (IC50s Plk1 = 0.83nM, Plk2 = 3.5nM and Plk3 = 9.0nM) that caused mitotic arrest and apoptosis induction in various human cancer cell lines. ¹ It was later found to be a potent inhibitor (IC50 = 100nM) of BET family member BRD4 and able to potently suppress c-Myc expression in MM.1S multiple myeloma cells. ³ BI 2536 destabilizes N-Myc by inhibiting the deactivation of the ubiquitin E3 ligase Fbw7 by Plk1. ⁴