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## Product Datasheet

### BI 2536, CAS [[755038-02-9]] FBM-10-4121

Artikelname	BI 2536, CAS [[755038-02-9]]
Artikelnummer	FBM-10-4121
Hersteller Artikelnummer	10-4121
Alternativnummer	FBM-10-4121-5MG,FBM-10-4121-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Dual Plk/BRD4 inhibitor - Destabilizes Myc...
Molekulargewicht	521.67
Reinheit	97% by HPLC, NMR (conforms)
Formulierung	Off-white solid
CAS Nummer	[755038-02-9]
Formel	C28H39N7O3
Anwendungsbeschreibung	<p>BI 2536 was originally reported as a potent (IC50s Plk1 = 0.83nM, Plk2 = 3.5nM and Plk3 = 9.0nM) and selective<sup>2</sup> 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.<sup>1</sup> 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.<sup>3</sup> BI 2536 destabilizes N-Myc by inhibiting the deactivation of the ubiquitin E3 ligase Fbw7 by Plk1.<sup>4</sup></p>