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## Product Datasheet

### **Volasertib, CAS [[755038-65-4]] FBM-10-4818**

Article Name	Volasertib, CAS [[755038-65-4]]
Biozol Catalog Number	FBM-10-4818
Supplier Catalog Number	10-4818
Alternative Catalog Number	FBM-10-4818-5MG,FBM-10-4818-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Polo-like Kinase 1 inhibitor...
Molecular Weight	618.82
Purity	98% by HPLC NMR (Conforms)
Form	Off-white solid
CAS Number	[755038-65-4]
Formula	C34H50N8O3
Application Notes	Volasertib is an extremely potent and selective inhibitor (IC50s: Plk1= 0.87 nM, Plk2 = 5 nM, Plk3 = 56 nM) of Polo-like kinase 1, a critical controller of multiple essential steps of mitosis. <sup>1</sup> It has shown efficacy in multiple solid xenograft tumors models <sup>1</sup> and in clinical studies in patients with acute myeloid leukemia <sup>2</sup> . Volasertib has also been shown to potently inhibit BRD43 (Kd = 79 nM <sup>3</sup> , IC50s bromodomains 1 and 2 of BRD4 = 300 and 770 nM respectively <sup>2</sup> ).