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Product Datasheet

Tazemetostat, CAS [[1403254-99-8]] FBM-10-4032

Article Name	Tazemetostat, CAS [[1403254-99-8]]
Biozol Catalog Number	FBM-10-4032
Supplier Catalog Number	10-4032
Alternative Catalog Number	FBM-10-4032-5MG,FBM-10-4032-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	EZH2 inhibitor...
Molecular Weight	572.75
Purity	98%, NMR (Conforms)
Form	Off-white solid
CAS Number	[1403254-99-8]
Formula	C34H44N4O4

Application Notes

Tazemetostat is a potent ($K_i = 2.5\text{nM}$ wild type human PRC2-containing) and selective SAM-competitive inhibitor of the lysine methyltransferase EZH2.¹ Tazemetostat displayed strong antiproliferative effects against SMARCB1-deleted malignant rhabdoid tumor (MRT) cell lines in vitro. This antitumor activity was also observed in SMARCB1 mutant mouse xenografts. It displayed potent antitumor activity in various cancer models including non-Hodgkins lymphoma², pediatric glioma³, small-cell carcinoma of the ovary⁴, and synovial sarcomas⁵. Tazemetostat has also been shown to control inflammatory genes by modulating IRF1, IRF8, and STAT1 levels suggesting therapeutic potential for the treatment of neuroinflammatory diseases associated with microglial activation.⁶