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Product Datasheet

EPIC-0628 MCE-HY-162384

Article Name	EPIC-0628
Biozol Catalog Number	MCE-HY-162384
Supplier Catalog Number	HY-162384
Alternative Catalog Number	MCE-HY-162384-10MG, MCE-HY-162384-5MG, MCE-HY-162384-100MG, MCE-HY-162384-50MG, MCE-HY-162384-25MG, MCE-HY-162384-10MMX1ML
Manufacturer	MedchemExpress
Category	Biochemikalien
Product Description	EPIC-0628 is an inhibitor of the HOTAIR-EZH2 interaction and promotes ATF3 expression. The long noncoding RNA HOTAIR has been found to regulate glioblastoma (GBM) progression and mediate DNA damage repair (DDR) by interacting with the catalytic subunit of the PRC2 complex. EZH2 is a key component of the PRC2 complex, which is involved in the methylation of histone H3 at the lysine 27 position (H3K27me3). EPIC-0628 has been shown to inhibit the EZH2 enzyme, leading to reduced H3K27me3 levels and increased ATF3 expression. ATF3 is a transcription factor that has been implicated in the regulation of various biological processes, including cell growth and differentiation. The inhibition of HOTAIR-EZH2 interaction by EPIC-0628 may therefore have broader therapeutic potential beyond glioblastoma, such as in the treatment of other cancers or diseases where HOTAIR expression is dysregulated.
Molecular Weight	391.36
Purity	98.93
Formula	C ₂₀ H ₁₇ F ₄ N ₃ O
Target	Histone Methyltransferase
Application Notes	MCE Product type: Reference compound1