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Product Datasheet

PBIT, CAS [[2514-30-9]] FBM-10-1595

Article Name	PBIT, CAS [[2514-30-9]]
Biozol Catalog Number	FBM-10-1595
Supplier Catalog Number	10-1595
Alternative Catalog Number	FBM-10-1595-5MG, FBM-10-1595-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	JARID1 lysine demethylase inhibitor...
Molecular Weight	241.31
Purity	98% by TLC, NMR (Conforms)
Form	Off-white solid
CAS Number	[2514-30-9]
Formula	C ₁₄ H ₁₁ NOS
Application Notes	The JARID1 (Jumonji AT-Rich Interactive Domain 1) family of lysine demethylases demethylates the trimethylated lysine 27 in histone H3 (H3K4me3). PBIT is a potent and selective inhibitor of JARID1 (IC ₅₀ = 3, 4.9 and 6 µM for JARID1B, 1A and 1C, respectively). Selective for JARID1 over UTX and JMJD3. Treatment of cells with PBIT inhibits the demethylation of H3K4me3. It inhibits proliferation of breast cancer cell lines expressing high levels of JARID1B1.