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Product Datasheet

SGI-1027 **FBM-10-5488**

Article Name	SGI-1027
Biozol Catalog Number	FBM-10-5488
Supplier Catalog Number	10-5488
Alternative Catalog Number	FBM-10-5488-5MG,FBM-10-5488-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	DNA methyl transferase inhibitor...
Molecular Weight	451.52
Purity	98% by TLC NMR (Conforms)
Form	Off-white solid
CAS Number	[1020149-73-8]
Formula	C27H23N7O
Application Notes	Potent and selective inhibitor of DNA methyl transferase inhibiting DNMT1, DNMT3A and DNMT3B with comparable potency (IC50=12.5, 8.0 and 7.5 M respectively).¹ Treatment of various cancer cell lines with SGI-1027 results in selective degradation of DNMT1 (MG-132 sensitive) with minimal effect on DNMT3A and 3B at 2.5-5 M.¹ Prolonged treatment of RKO cells resulted in reexpression of silenced tumor suppressor genes.¹ Synergizes with doxorubicin at growth inhibition in neuroblastoma cell lines.² Disrupts the MKK3-MYC complex in cells and inhibits MYC transcriptional activity in colon and breast cancer cells.³