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Product Datasheet

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

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| 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 | <p>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</p> |