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Product Datasheet

AS-8351, CAS [[796-42-9]] FBM-10-1597

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| Article Name | AS-8351, CAS [[796-42-9]] |
| Biozol Catalog Number | FBM-10-1597 |
| Supplier Catalog Number | 10-1597 |
| Alternative Catalog Number | FBM-10-1597-5MG,FBM-10-1597-25MG |
| Manufacturer | Focus Biomolecules |
| Category | Biochemikalien |
| Product Description | KDM5B histone demethylase inhibitor... |
| Molecular Weight | 291.30 |
| Purity | 98% by TLC, NMR (Conforms) |
| Form | Yellow solid |
| CAS Number | [796-42-9] |
| Formula | C17H13N3O2 |
| Application Notes | AS-8351 has been used in a cocktail of nine small molecules used to efficiently induce cardiac reprogramming of human fibroblasts ¹ . It is believed that AS-8351 exerts its effects by modulating the activity of the JmjC domain-containing histone demethylases (JmjC-KDM). Thus each of the 22 genes in the JmjC-KDM family was abrogated using small hairpin RNAs which showed that only knocking down KDM5B (or using another KDM5B inhibitor such as PBIT) could phenocopy AS-8351 in generating cardiomyocytes. This strongly suggests that KDM5B is the target of AS-8351. ¹ |