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Product Datasheet

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

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