

Bitte beachten Sie: Dieses Dokument wurde automatisch erstellt und ist kein Ersatz für das Originaldokument des Herstellers.

## Product Datasheet

### AS-8351 FBM-10-1597

Artikelname	AS-8351
Artikelnummer	FBM-10-1597
Hersteller Artikelnummer	10-1597
Alternativnummer	FBM-10-1597-5MG,FBM-10-1597-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	KDM5B histone demethylase inhibitor...
Molekulargewicht	291.3
Reinheit	98% by TLC, NMR (Conforms)
Formulierung	Yellow solid
CAS Nummer	[796-42-9]
Formel	C17H13N3O2
Anwendungsbeschreibung	AS-8351 has been used in a cocktail of nine small molecules used to efficiently induce cardiac reprogramming of human fibroblasts <sup>1</sup> . 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. <sup>1</sup>