

Datasheet for ABIN7233233

AS-8351



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1 Image

Overview

Quantity: 5 mg

Application: Inhibition (Inh)

Product Details

Purpose: KDM5B histone demethylase inhibitor

Characteristics: AS-8351 has been used in a cocktail of nine small molecules used to efficiently induce cardiac reprogramming of human fibroblasts¹. 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.

Purity: >98 %

Chemical Name: 2-Hydroxy-1-naphthylaldehyde isonicotinolyhydrazone

Formula: C17H13N3O2

Solubility: Soluble in DMSO (up to 45 mg/ml), in DMF (up to 30 mg/ml) or in Ethanol (up to 10 mg/ml with warming)

Target Details

Background: NSC-51355, Epigenetics, Protein demethylase, Stem cells, Heart disease, Posttranslational modification, Chromatin

Molecular Weight: 291.3

Target Details

CAS-No: 796-42-9

Application Details

Restrictions: For Research Use only

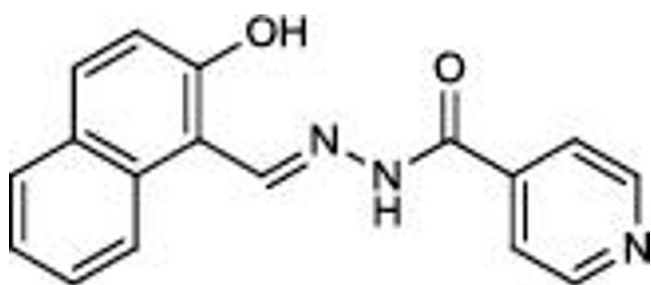
Handling

Format: Powder

Precaution of Use: GHS – Classification
Not a hazardous substance or mixture

Storage: -20 °C

Images



Molecule

Image 1. /