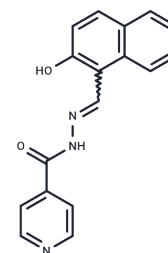


AS8351

## Chemical Properties

CAS No. : 796-42-9  
Formula: C<sub>17</sub>H<sub>13</sub>N<sub>3</sub>O<sub>2</sub>  
Molecular Weight: 291.3  
Appearance: no data available  
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## Biological Description

|               |                                                                                                                                                                                                                                                                |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description   | AS8351 (NSC51355) is a histone demethylase inhibitor. It has been used in combination with CHIR99021, A 83-01, BIX01294, SC-1, Y-27632, OAC2, SU 16f, and JNJ-10198409 to induce reprogramming of human fetal lung fibroblasts into functional cardiomyocytes. |
| Targets(IC50) | Histone Demethylase                                                                                                                                                                                                                                            |

## Solubility Information

|            |                                                                                                 |
|------------|-------------------------------------------------------------------------------------------------|
| Solubility | DMSO: 29.1 mg/mL(100 mM),<br>( $< 1$ mg/ml refers to the product slightly soluble or insoluble) |
|------------|-------------------------------------------------------------------------------------------------|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.4329 mL | 17.1644 mL | 34.3289 mL |
| 5 mM  | 0.6866 mL | 3.4329 mL  | 6.8658 mL  |
| 10 mM | 0.3433 mL | 1.7164 mL  | 3.4329 mL  |
| 50 mM | 0.0687 mL | 0.3433 mL  | 0.6866 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

## Reference

Cao, N.,Huang, et al. Conversion of human fibroblasts into functional cardiomyocytes by small molecules. Science 352(6290), 1216-1220 (2016).<br/>Chen B, Chen H, Lu S, et al. KDM5B promotes tumorigenesis

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481