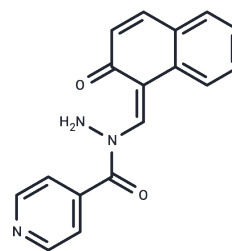


AS8351

Chemical Properties

CAS No. : 796-42-9
 Formula: C₁₇H₁₃N₃O₂
 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: 50 mg/mL (171.64 mM), Sonication is recommended. (< 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).

Chen B, Chen H, Lu S, et al. KDM5B promotes tumorigenesis of Ewing sarcoma via FBXW7/CCNE1 axis. Cell Death & Disease. 2022, 13(4): 1-13

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