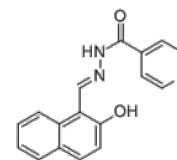


Product Name : AS-8351
Cat. No. : PC-62327
CAS No. : 796-42-9
Molecular Formula : C₁₇H₁₃N₃O₂
Molecular Weight : 291.31
Target : Histone Demethylase
Solubility : 10 mM in DMSO



Biological Activity

AS-8351 (NSC 51355) is a small molecule that induces reprogramming of human fetal lung fibroblasts into functional cardiomyocytes, in combination with CHIR 99021, A83-01, BIX 01294, SC1, Y-27632, OAC2, SU 16f and JNJ 10198409. AS-8351 competes with α -ketoglutarate (α -KG) for chelating iron/Fe(II) in certain epi-genetic enzymes, such as the JmjC-domain-containing histone demethylases (JmjC-KDMs) that require α -KG and iron as co-factors.

References

Cao N, et al. *Science*. 2016 Jun 3;352(6290):1216-20.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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