



Product Information

Histone demethylases inhibitor AS8351, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ366

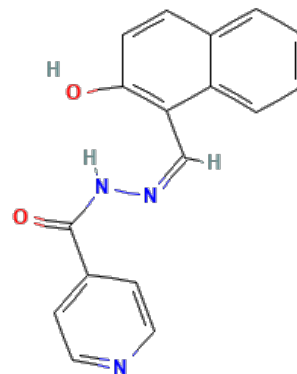
Size: 5 mg; 10 mg; 50 mg

CAS Number: 796-42-9

Compound CID: 135408575

Synonym: 796-42-9; NCI 51355; NSC 51355; Histone demethylases inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	AS8351, soluble in DMSO and insoluble in ethanol and water, prevents the removal of methyl groups from histones, influencing gene expression by maintaining histone methylation.
Molecular Weight	291.3
Molecular Formula	C ₁₇ H ₁₃ N ₃ O ₂
IUPAC Name	<i>N</i> -[(<i>Z</i>)-(2-hydroxynaphthalen-1-yl)methylideneamino]pyridine-4-carboxamide
InChI	InChI=1S/C17H13N3O2/c21-16-6-5-12-3-1-2-4-14(12)15(16)11-19-20-17(22)13-7-9-18-10-8-13/h1-11,21H,(H,20,22)/b19-11-
InChI Key	WQSHHAVECQJKLX-ODLFYWEKSA-N
Canonical SMILES	<chem>C1=CC=C2C(=C1)C=CC(=C2C=NNC(=O)C3=CC=NC=C3)O</chem>
Isomeric SMILES	<chem>C1=CC=C2C(=C1)C=CC(=C2/C=N\NC(=O)C3=CC=NC=C3)O</chem>
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 49 mg/mL (168.21 mM); Water: Insoluble; Ethanol: Insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	AS8351 aids in studying the inhibition of human histone demethylase, impacting epigenetic regulation.
Storage	Store at -20°C.