



Product Information

Histone demethylases inhibitor YUKA1, Purity ≥98%

Cat. No.: X24-05-ZQ404

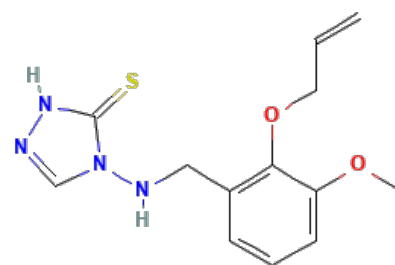
Size: 1 mg; 5 mg; 10 mg

CAS Number: 708991-09-7

Compound CID: 2215170

Synonym: 708991-09-7; YUKA-1; YUKA 1; Histone demethylases inhibitor

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



Product Information

Description	YUKA1 prevents the removal of methyl groups from histones, influencing gene expression by maintaining histone methylation. It targets KDM5.
Molecular Weight	292.36
Molecular Formula	C ₁₃ H ₁₆ N ₄ O ₂ S
Targets	KDM5
IUPAC Name	4-[(3-Methoxy-2-prop-2-enoxyphenyl)methylamino]-1H-1,2,4-triazole-5-thione
InChI	InChI=1S/C13H16N4O2S/c1-3-7-19-12-10(5-4-6-11(12)18-2)8-15-17-9-14-16-13(17)20/h3-6,9,15H, 1,7-8H2,2H3,(H,16,20)
InChI Key	NHJCZZWENDYDEP-UHFFFAOYSA-N
Canonical SMILES	COC1=CC=CC(=C1OCC=C)CNN2C=NNC2=S
Form	Lyophilized powder
Purity	≥98%
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	YUKA1 is used in research to study the inhibition of histone demethylases, specifically the KDM5 family, and its effects on cellular processes and development.
Storage	Store at -20°C.