



Product Information

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

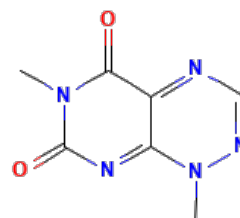
Cat. No.: X24-05-ZQ401

Size: 5 mg; 10 mg; 50 mg

CAS Number: 84-82-2

Compound CID: 66541

Synonym: 84-82-2; Xanthothricin; Toxoflavine; PKF-118-310; Histone demethylases inhibitor



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

Product Information

Description	Toxoflavin prevents the removal of methyl groups from histones, influencing gene expression by maintaining histone methylation.
Molecular Weight	193.16
Molecular Formula	C ₇ H ₇ N ₅ O ₂
IUPAC Name	1,6-Dimethylpyrimido[5,4-e][1,2,4]triazine-5,7-dione
InChI	InChI=1S/C7H7N5O2/c1-11-6(13)4-5(10-7(11)14)12(2)9-3-8-4/h3H,1-2H3
InChI Key	SLGRAIAQIAUZAQ-UHFFFAOYSA-N
Canonical SMILES	CN1C2=NC(=O)N(C(=O)C2=NC=N1)C
Form	Lyophilized powder
Purity	$\geq 98\%$
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Toxoflavin can be used to explore antimicrobial and anticancer properties, due to its ability to inhibit cell growth and induce cell death.
Storage	Store at -20°C.