



Product Information

Antifection inhibitor KIN-1148, Purity $\geq 98\%$

Cat. No.: X24-07-ZQ081

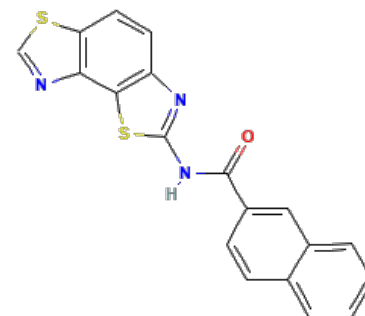
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 1428729-56-9

Compound CID: 71549151

Synonym: 1428729-56-9; Antifection inhibitor; KIN1148; KIN 1148

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



Product Information

Description	KIN-1148, soluble in DMSO and ethanol and insoluble in water, has strong immunosuppressant properties.
Molecular Weight	361.43
Molecular Formula	C ₁₉ H ₁₁ N ₃ OS ₂
IUPAC Name	<i>N</i> -([1,3]thiazolo[5,4- <i>e</i>][1,3]benzothiazol-2-yl)naphthalene-2-carboxamide
InChI	InChI=1S/C19H11N3OS2/c23-18(13-6-5-11-3-1-2-4-12(11)9-13)22-19-21-14-7-8-15-16(17(14)25-19)20-10-24-15/h1-10H,(H,21,22,23)
InChI Key	YAIISOECYKYATLL-UHFFFAOYSA-N
Canonical SMILES	<chem>C1=CC=C2C=C(C(=CC2=C1)C(=O)NC3=NC4=C(S3)C5=C(C=C4)SC=N5</chem>
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 76 mg/mL (210.27 mM); Water: Insoluble; Ethanol: 13 mg/mL
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	KIN-1148 is studied as an antimicrobial agent emphasizing its efficacy in disrupting bacterial replication, particularly in resistant bacterial strains' research.
Storage	Store at -20°C, and keep desiccated.