

Product Information

Antifection inhibitor NGI-1, Purity $\geq 98\%$

Cat. No.: X24-07-ZQ126

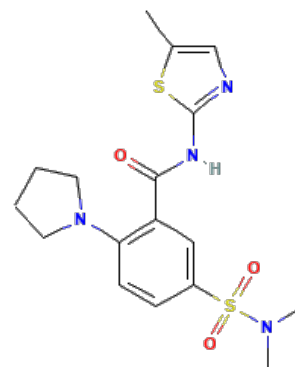
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 790702-57-7

Compound CID: 2519269

Synonym: 790702-57-7; Antifection inhibitor; NGI1; NGI 1; ML414; ML 414; ML-414

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



Product Information

Description	NGI-1, soluble in DMSO and insoluble in ethanol and water, has strong immunosuppressant properties.
Molecular Weight	394.51
Molecular Formula	C ₁₇ H ₂₂ N ₄ O ₃ S ₂
IUPAC Name	5-(Dimethylsulfamoyl)-N-(5-methyl-1,3-thiazol-2-yl)-2-pyrrolidin-1-ylbenzamide
InChI	InChI=1S/C17H22N4O3S2/c1-12-11-18-17(25-12)19-16(22)14-10-13(26(23,24)20(2)3)6-7-15(14)21-8-4-5-9-21/h6-7,10-11H,4-5,8-9H2,1-3H3,(H,18,19,22)
InChI Key	QPKGRLIYJGBKJL-UHFFFAOYSA-N
Canonical SMILES	CC1=CN=C(S1)NC(=O)C2=C(C=CC(=C2)S(=O)(=O)N(C)C)N3CCCC3
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 69 mg/mL (174.89 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.
Quality Level	Research grade
Applications	NGI-1 is studied for its inhibitory action on N-glycosylation, offering insights into potential cancer and viral infection therapies.
Storage	Store at -20°C, and keep desiccated.