



Product Information

STING inhibitor C-178, Purity ≥98%

Cat. No.: X23-10-ZQ691

Size: 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

CAS Number: 329198-87-0

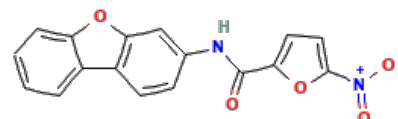
Compound CID: 2866412

Synonym: 329198-87-0; C-178; STING inhibitor C-178; *N*

-(Dibenzo[b,d]furan-3-yl)-5-nitrofuran-2-carboxamide; *N*

-(3-Dibenzofuranyl)-5-nitro-2-furancarboxamide; *N*

-Dibenzofuran-3-yl-5-nitrofuran-2-carboxamide; Oprea1_355995; STING inhibitor



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

Product Information

Description	C-178, soluble in DMSO and insoluble in ethanol and water, is a covalent STING inhibitor.
Molecular Weight	322.27
Molecular Formula	C ₁₇ H ₁₀ N ₂ O ₅
IUPAC Name	<i>N</i> -Dibenzofuran-3-yl-5-nitrofuran-2-carboxamide
InChI	InChI=1S/C17H10N2O5/c20-17(14-7-8-16(24-14)19(21)22)18-10-5-6-12-11-3-1-2-4-13(11)23-15(12)9-10/h1-9H,(H,18,20)
InChI Key	URUVDCCYSJEGQQ-UHFFFAOYSA-N
Canonical SMILES	<chem>C1=CC=C2C(=C1)C3=C(O2)C=C(C=C3)NC(=O)C4=CC=C(O4)[N+](=O)[O-]</chem>
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 28 mg/mL (86.88 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	C-178 can be investigated for its role in targeting specific signaling pathways, pertinent to inflammation and immune response research.
Storage	Store at -20°C.