

Product Information

Stat inhibitor Nifuroxazide, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ1014

Size: 50 mg; 100 mg; 250 mg; 500 mg

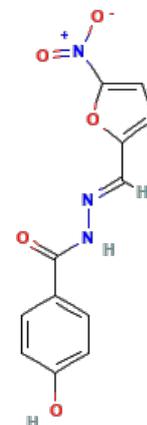
MDL: MFCD00079482

CAS Number: 965-52-6

Compound CID: 5337997

Synonym: Nifuroxazide; 965-52-6; Nifuroxazid; Dicoferin; Diarlidan; NSC-759261; PM5LI0P38J; Stat inhibitor

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



Product Information

Description	Nifuroxazide, soluble in DMSO and insoluble in ethanol and water, is an inhibitor of STAT activation and signaling activity.
Molecular Weight	275.22
Molecular Formula	C ₁₂ H ₉ N ₃ O ₅
IUPAC Name	4-Hydroxy- <i>N</i> -[(<i>E</i>)-(5-nitrofuran-2-yl)methylideneamino]benzamide
InChI	InChI=1S/C12H9N3O5/c16-9-3-1-8(2-4-9)12(17)14-13-7-10-5-6-11(20-10)15(18)19/h1-7,16H,(H,14,17)/b13-7+
InChI Key	YCWSUKQGVSGXJO-NTUHNPAUSA-N
Canonical SMILES	C1=CC(=CC=C1C(=O)NN=CC2=CC=C(O2)[N+](=O)[O-])O
Isomeric SMILES	C1=CC(=CC=C1C(=O)N/N=C/C2=CC=C(O2)[N+](=O)[O-])O
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 47 mg/mL (170.77 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	Nifuroxazide is employed to inhibit STAT3 and study its effects on cancer stem cells.
Storage	Store at -20°C.