

Product Datasheet

Nitazoxanide (orb1308235)

Catalog Number	orb1308235
Category	Small Molecules
Description	Nitazoxanide (NSC-697855) is a synthetic benzamide compound with broad-spectrum antiprotozoal activity, primarily through inhibition of the pyruvate:ferredoxin oxidoreductase (PFOR) enzyme. It is widely used in research for studying cryptosporidiosis and giardiasis in both in vitro and in vivo experimental models.
Target	Antibiotic
Form/Appearance	powder
Purity	>98%
MW	307.28
Biological Activity	Wnt inhibitor; Antiviral
Target Areas	Influenza Virus Autophagy Parasite
Solubility (25°C)	Soluble in DMSO (up to at least 50 mg/ml)
CAS Number	55981-09-4
Formula	C ₁₂ H ₉ N ₃ O ₅ S
SMILES	<chem>C(NC=1SC(N(=O)=O)=CN1)(=O)C2=C(OC(C)=O)C=CC=C2</chem>
Chemical Name	O-[N-(5-Nitrothiazol-2-yl)carbamoyl]phenyl acetate
Storage	-20°C
Note	For research use only

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Expiration Date

12 months from date of receipt.

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