

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	Autophagy, Influenza Virus, Parasite
Purity	99.00%
MW	307.28
Target Areas	Influenza Virus Autophagy Parasite
Solubility (25°C)	10% DMSO+40% PEG300+5% Tween 80+45% Saline:2.5 mg/mL (8.14 mM); Ethanol: 1 mg/mL (insoluble or slightly soluble); DMSO:247.5 mg/mL (805.45 mM); H ₂ O: 1 mg/mL (insoluble or slightly soluble)
CAS Number	55981-09-4
Formula	C ₁₂ H ₉ N ₃ O ₅ S
SMILES	C(NC=1SC(N(=O)=O)=CN1)(=O)C2=C(OC(C)=O)C=CC=C2
Storage	Powder: -20°C for 3 years In solvent: -80°C for 1 year Shipping with blue ice/Shipping at ambient temperature.
Note	For research use only
Expiration Date	12 months from date of receipt.

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