

Product Datasheet

Tizoxanide (orb1225933)

Catalog Number	orb1225933
Category	Small Molecules
Description	Tizoxanide is the main metabolite of nitazoxanide, which is a synthetic nitrothiazolyl-salicylamide derivative and an antiprotozoal agent. Parasite Infection Approved (In Vitro): Tizoxanide (TIZ) induces mild mitochondrial uncoupling and activate AMPK in hepatocytes. Tizoxanide (TIZ) inhibits hepatitis C virus (HCV) replication in HCV replicon systems. (In Vivo): Tizoxanide (TIZ) (10 mg/kg; i.v.) can pass the BBB and distribute to the brain tissue. Tizoxanide retains in brain is obviously longer than that in plasma.
Target	Antibacterial
Purity	>98% (HPLC)
MW	265.2453
Target Areas	Antiviral
Solubility (25°C)	DMSO: ≥ 38 mg/mL
CAS Number	173903-47-4
Formula	C ₁₀ H ₇ N ₃ O ₄ S
SMILES	O=C(NC1=NC=C([N+][O-])=O)S1)C2=CC=CC=C2O
Chemical Name	Benzamide, 2-hydroxy-N-(5-nitro-2-thiazolyl)-
Storage	Storage temperature: -20°C. Stability: ≥ 2 years
Note	For research use only
Expiration Date	12 months from date of receipt.

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