

Product Name	: Nifurtimox
Synonyms	: BAY-2502;BAY-A-2502
Cat No.	: M20095
CAS Number	: 23256-30-6
Molecular Formula	: C ₁₀ H ₁₃ N ₃ O ₅ S
Formula Weight	: 287.3
Chemical Name	: (E)-3-methyl-4-(((5-nitrofuran-2-yl)methylene)amino)thiomorpholine 11-dioxide
Description	: Nifurtimox is an antiprotozoal agent (IC ₅₀ s = 9.91 12.28 and 10.44 μM against Taluahuén LQ and Brener strains of T. cruzi-epimastigotes respectively).
Pathway	: Microbiology/Virology
Target	: Parasite
Receptor	: Parasite
Solubility	: DMSO: 50 mg/mL (174.03 mM);Water: Insoluble
SMILES	: <chem>CC1CS(=O)(=O)CCN1\N=C\c1ccc(o1)[N+](=[O-])=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1.Maya JD et al. Trypanosoma cruzi: effect and mode of action of nitroimidazole and nitrofuran derivatives. Biochem Pharmacol. 2003 Mar 15;65(6):1999-12006.