

Product Name	: Voreloxin
Synonyms	: SNS-595; Vosaroxin; AG 7352
Cat No.	: M12652
CAS Number	: 175414-77-4
Molecular Formula	: C ₁₈ H ₁₉ N ₅ O ₄ S
Formula Weight	: 401.44
Chemical Name	: 1,8-Naphthyridine-3-carboxylic acid, 1,4-dihydro-7-[(3S,4S)-3-methoxy-4-(methylamino)-1-pyrrolidinyl]-4-oxo-1-(2-thiazolyl)-
Description	: A first-in-class anticancer quinolone derivative that intercalates DNA and inhibits Topoisomerase II; exhibits proliferation inhibition of AML cell lines MV4-11 and HL-60 with IC ₅₀ of 95 nM and 884 nM, respectively. Chemotherapeutic Agents Phase 3 Clinical
Pathway	: Cell Cycle/DNA Damage
Target	: Topoisomerase
Receptor	: Topo II
Solubility	: 10 mM in DMSO
SMILES	: <chem>O=C(C1=CN(C2=NC=CS2)C3=C(C=CC(N4C[C@H](OC)[C@@H](NC)C4)=N3)C1=O)O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Scatena CD, et al. Cancer Chemother Pharmacol. 2010 Oct;66(5):881-8. | 2. Hoch U, et al. Cancer Chemother Pharmacol. 2009 Jun;64(1):53-65. | 3. Walsby EJ, et al. Haematologica. 2011 Mar;96(3):393-9.