

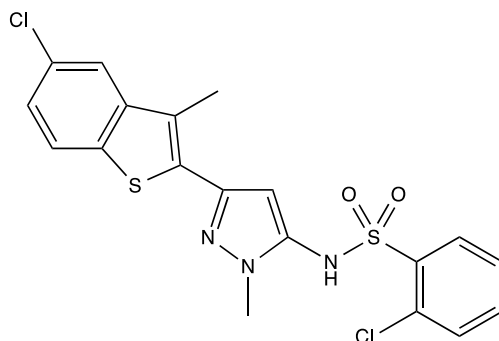
Catalog # 10-1481

ML60218

CAS# 577784-91-9

RNA Polymerase III inhibitor

Lot # X106953



A broad spectrum inhibitor of RNA polymerase III from *S. Cerevisiae* as well as from human cells, $IC_{50}=32 \mu\text{M}$ and $27 \mu\text{M}$ respectively.¹ Combined treatment with ML60218 and an HDAC inhibitor caused augmented suppression of colony formation, induction of cell cycle arrest and apoptotic cell death in human pancreatic adenocarcinoma cells.²

- 1) Wu et al. (2003), *Novel small-molecule inhibitors of RNA polymerase III*; Eukaryot. Cell, **2** 256
- 2) Yee et al. (2012), *Targeting developmental regulators of zebrafish exocrine pancreas as a therapeutic approach in human pancreatic cancer*; Biol. Open, **1(4)** 295

PHYSICAL DATA

Molecular Weight:	452.38
Molecular Formula:	$\text{C}_{19}\text{H}_{15}\text{Cl}_2\text{N}_3\text{O}_2\text{S}_2$
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	Soluble in DMSO (up to 35 mg/ml) or in Ethanol (up to 5 mg/ml with warming)
Physical Description:	Off-white to pale yellow solid
Storage and Stability:	Store as supplied desiccated at room temperature for up to 1 year from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.