

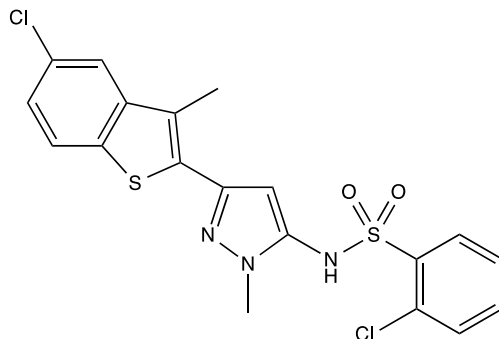
Catalog # 10-1481

ML60218

CAS# 577784-91-9

RNA Polymerase III inhibitor

Lot # S105057



A broad spectrum inhibitor of RNA polymerase III from *S. Cerevisiae* as well as from human cells, IC₅₀=32 μM and 27 μM 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:	C ₁₉ H ₁₅ Cl ₂ N ₃ O ₂ 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.

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