

Product Name	: ML-264
Synonyms	: ML264; ML 264
Cat No.	: M12198
CAS Number	: 1550008-55-3
Molecular Formula	: C ₁₇ H ₂₁ ClN ₂ O ₄ S
Formula Weight	: 384.88
Chemical Name	: 2-Propenamide, 3-(3-chlorophenyl)-N-[2-[methyl(tetrahydro-1,1-dioxido-2H-thiopyran-4-yl)amino]-2-oxoethyl]-, (2E)-
Description	<p>A potent, selective of KLF5 expression inhibitor, withour effect on kinases associated with the KLF5 pathway; inhibits the proliferation of DLD-1 cells with IC₅₀ of 29 nM, and several other KLF5-expressing cell types as well HCT116, IC₅₀ 560 nM; HT29, IC₅₀=130 nM; SW620, IC₅₀=430 nM); potently inhibits proliferation of colorectal cancer cells in vitro through modifications of the cell-cycle profile; efficiently inhibits growth of the tumor in an established xenograft mouse model of colon cancer.Colon Cancer Preclinical</p>
Pathway	: Nuclear Receptor/Transcription Factor
Target	: KLF
Receptor	: KLF5
Solubility	: 10 mM in DMSO
SMILES	: <chem>O=C(NCC(N(C(C1)CCS1(=O)=O)C)=O)/C=C/C2=CC=CC(Cl)=C2</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Bialkowska A, et al. Probe Reports from the NIH Molecular Libraries Program [Internet]. 2. Ruiz de Sabando A, et al. Mol Cancer Ther. 2016 Jan;15(1):72-83.