

Product Name	: ML-180
Synonyms	: SR1848
Cat No.	: M22607
CAS Number	: 863588-32-3
Molecular Formula	: C ₂₀ H ₂₅ ClN ₄ O ₂
Formula Weight	: 388.89
Chemical Name	: —
Description	ML-180 is a potent orphan nuclear receptor liver receptor homolog 1 (LRH-1; NR5A2) inverse agonist (IC ₅₀ of 3.7 μM) .ML-180 (0.5-5 μM; 24 hours) shows a significant inhibition of cyclin-D1 and cyclin-E1 expression in hepatic cells, but has little effect on repression in SK-OV-3 cells. ML-180 (5 μM; 24 hours) leads to a rapid decrease of LRH-1 expression and efficiently represses endogenous LRH-1 signaling. ML-180 has a statistically significant decrease of both LRH-1 and SHP mRNA in adrenal glands and pancreatic tissue.
Pathway	: Others
Target	: Other Targets
Receptor	: orphan nuclear receptor NR5A2
Solubility	: DMSO:11 mg/mL (28.28 mM; Need ultrasonic)
SMILES	: <chem>Clc1cccc(c1)N1CCN(CC1)c1cc(=O)n(C2CCCCC2)c(=O)[nH]1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Busby S, et al. Discovery of Inverse Agonists for the Liver Receptor Homologue-1 (LRH1; NR5A2).