

Product Name	: myomiRs-IN-1
Synonyms	: myomiR-IN-1; myomiR IN 1; myomiRIN1; myomiR inhibitor-1
Cat No.	: M11630
CAS Number	: 1392224-59-7
Molecular Formula	: C ₃₃ H ₂₇ NO ₆
Formula Weight	: 533.58
Chemical Name	: tert-butyl (5-(8a-methoxy-3,8-dioxo-2-phenyl-2a,3,8,8a-tetrahydrocyclobuta[b]naphthalen-1-yl)quinolin-8-yl) carbonate
Description	: myomiRs-IN-1 is a small-molecule probe that selectively inhibits myogenic microRNAs (myomiRs) including miR-1, miR-133a, and miR-206; upregulates miR-221/222 level and suppresses myoD protein expression in C2C12 cells; inhibits the differentiation of C2C12 cells.
Pathway	: Chromatin/Epigenetic
Target	: MicroRNA
Receptor	: MicroRNA
Solubility	: —
SMILES	: <chem>O=C(C1=C2C=CC=C1)C(C(C3=C4C=CC=NC4=C(OC(OC(C)(C)C)=O)C=C3)=C5C6=CC=CC=C6)(OC)C5C2=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Tan SB, et al. Chem Biol. 2014 Oct 23;21(10):1265-70.

