

Product Name	: SMN-C2
Synonyms	: —
Cat No.	: M36532
CAS Number	: 1446311-56-3
Molecular Formula	: C ₂₄ H ₂₇ N ₅ O ₂
Formula Weight	: 417.5
Chemical Name	: —
Description	: SMN-C2, an analog of RG-7916, is a selective modulator of SMN2 gene splicing that acts by binding SMN2 pre-mRNA, thereby increasing far upstream element binding protein 1 (FUBP1) and KH-spliced RNA binding Protein affinity regulator protein (KHSPRP) to the SMN2 pre-mRNA complex. SMN-C2 can be used in spinal muscular atrophy (SMA) research.
Pathway	: Cell Cycle/DNA Damage
Target	: DNA/RNA Synthesis
Receptor	: DNA/RNA Synthesis
Solubility	: —
SMILES	: <chem>O=C1C(C=2N=C3N(C2)C=C(C)N=C3C)=CC=4C(O1)=CC(=CC4)N5C[C@H](C)N(CC)CC5</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Jingxin Wang, et al. Mechanistic studies of a small-molecule modulator of SMN2 splicing. Proc Natl Acad Sci U S A. 2018 May 15;115(20):E4604-E4612.?