

Product Name	: YK11
Synonyms	: —
Cat No.	: M20713
CAS Number	: 1370003-76-1
Molecular Formula	: C ₂₅ H ₃₄ O ₆
Formula Weight	: 430.53
Chemical Name	: methyl (E)-2-((8R,9S,10R,13S,14S,17R)-2'-methoxy-2'-methyl-3-oxo-12,13,14,15,16-tetradecahydrospiro[cyclopenta[a]phenanthrene-17a:1'-[1,3]dioxolan]-5'-ylidene)acetate
Description	: YK11 is an androgen receptor partial agonist that activates androgen receptor transcriptional activity in HEK293 cells overexpressing androgen receptors when used at a concentration of 0.1 μM with osteogenic activity.
Pathway	: Endocrinology/Hormones
Target	: Androgen Receptor (AR)
Receptor	: Androgen Receptor
Solubility	: DMSO:64 mg/mL (148.65 mM)
SMILES	: <chem>[H][C@@]12CC[C@]3(OC(C)(OC)OC3=C(C(=O)OC)[C@@]1(C)CC[C@]1([H])C3CCC(=O)C=C3CC[C@@]21[H]</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

I.Kanno Y Ota R Someya K et al. Selective Androgen Receptor Modulator YK11 Regulates Myogenic Differentiation of C2C12 Myoblasts by Follistatin Expression[J]. Biological and Pharmaceutical Bulletin 2013 36(9):1460-1465.